

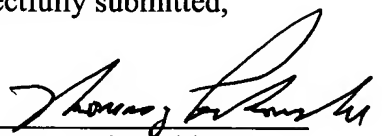
REMARKS

Applicants thank the Patent Office for the careful attention accorded this Application and respectfully requests entry of Amendment to the Specification set forth above and remarks set forth below.

The above Amendments to the Specification have been provided to ensure correspondence between the Specification and Formal Drawings.

Respectfully submitted,

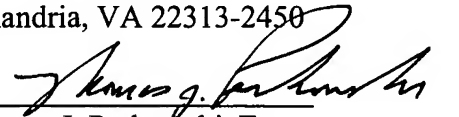
Dated: November 22, 2004


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Thomas J. Perkowski, Esq.
Dated: November 22, 2004



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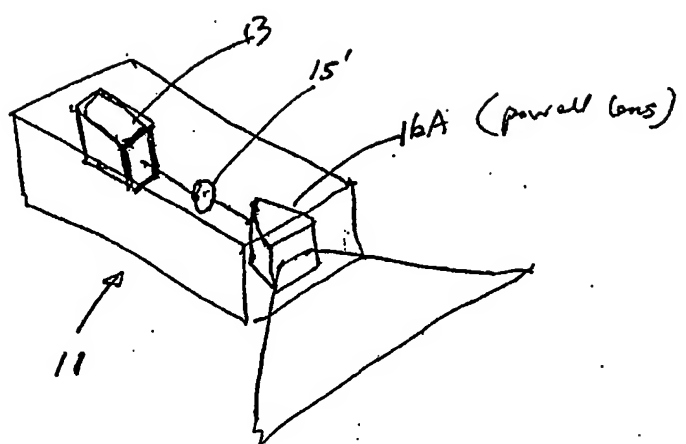


FIG. 1G.16A

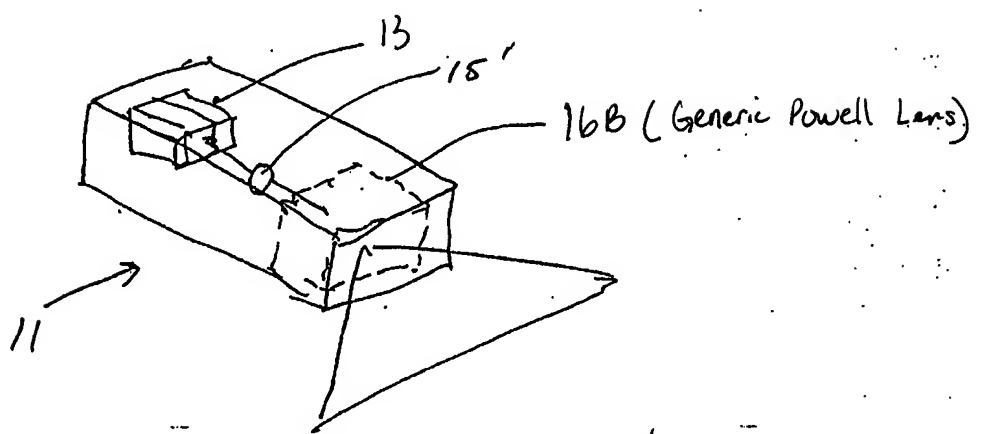
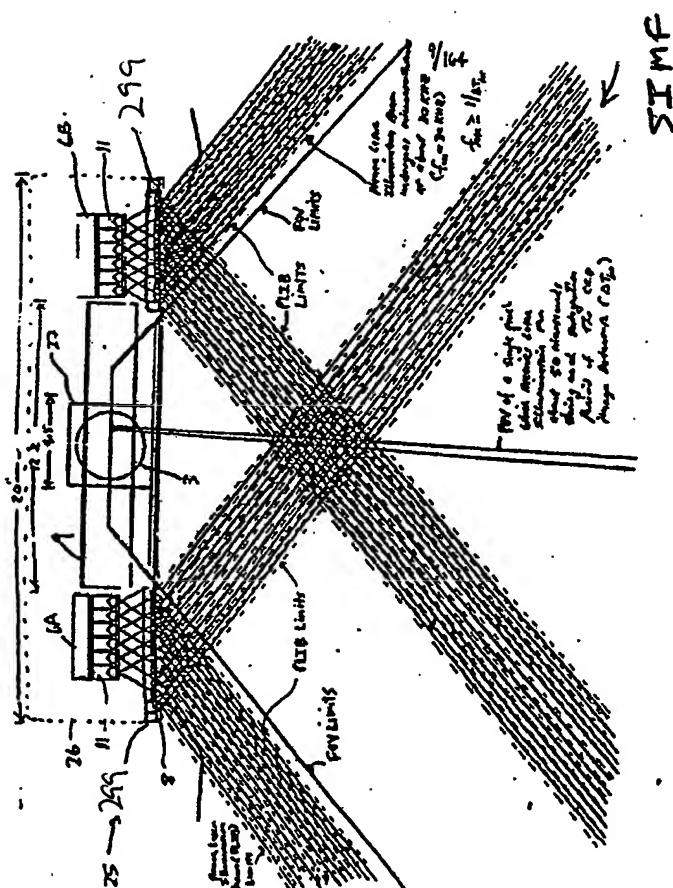


FIG. 1G.16B

PLIM w/
powell lens

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Sixth Generalized Method of
Reducing Speckle-Noise Patterns
at Image Detection Array
of the ICD Subsystem

(SEMF)

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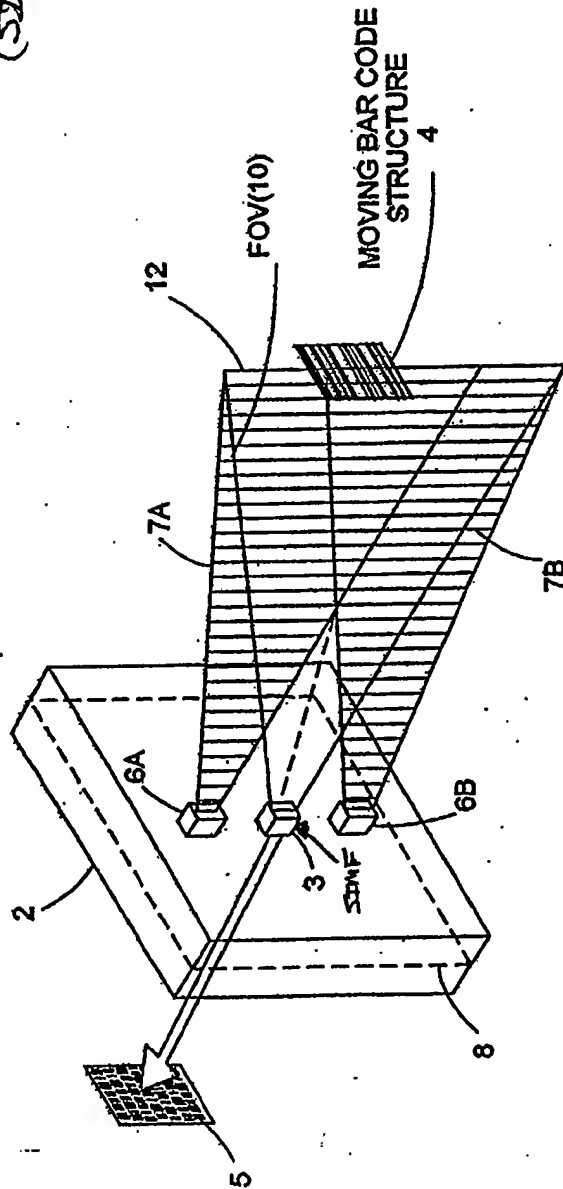


FIG. 11 22

EIGHTH

7/1/95

EIGHT GENERALIZED METHOD OF REDUCING THE SPECKLE PATTERN
NOISE OBSERVED IN PLIIM-BASED IMAGING SYSTEMS

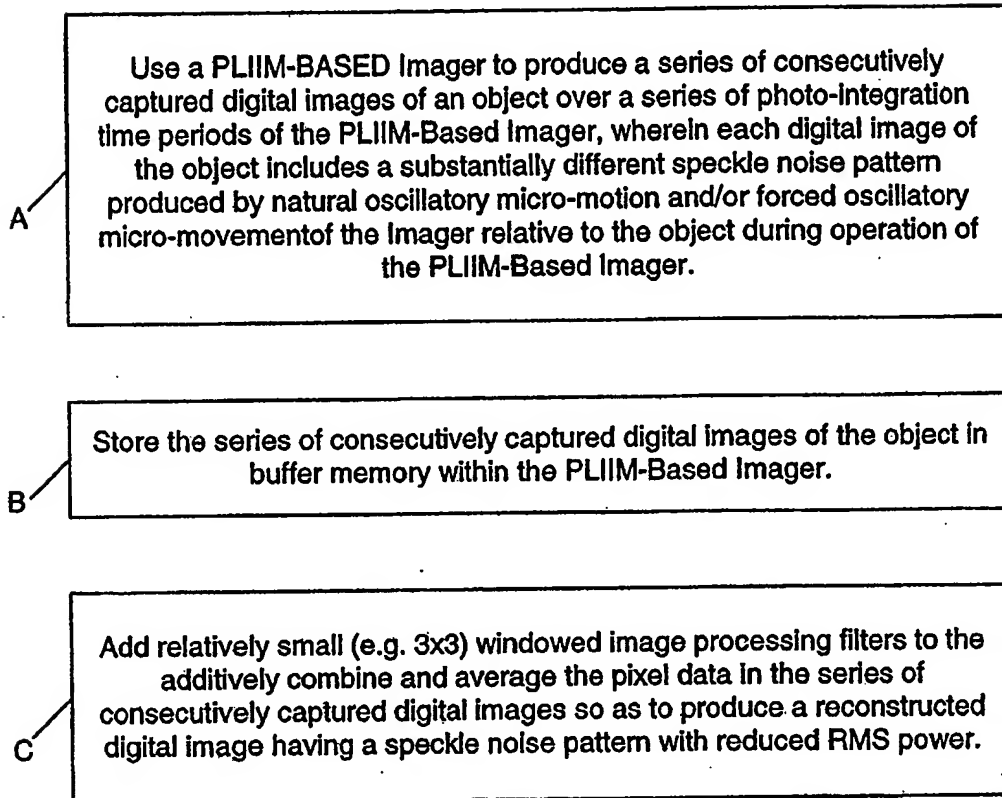
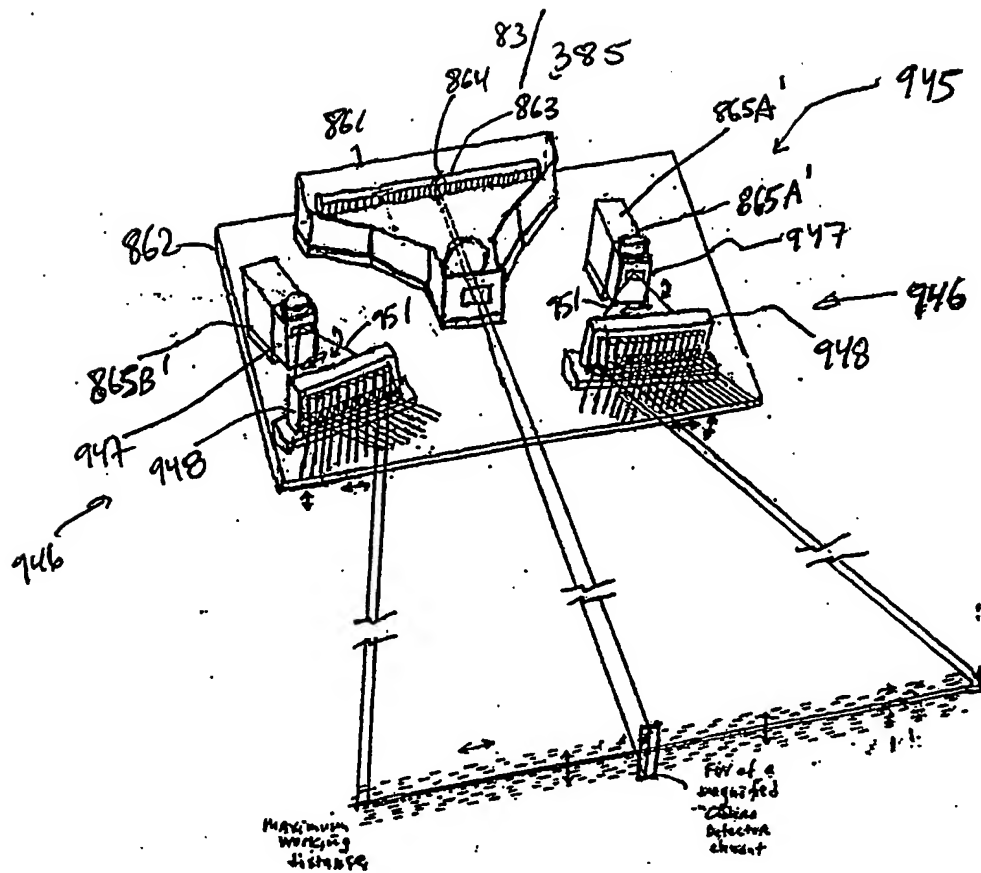


FIG. 1124D



External and
Transverse
Measurement of ALB

FIG. 1I25I1

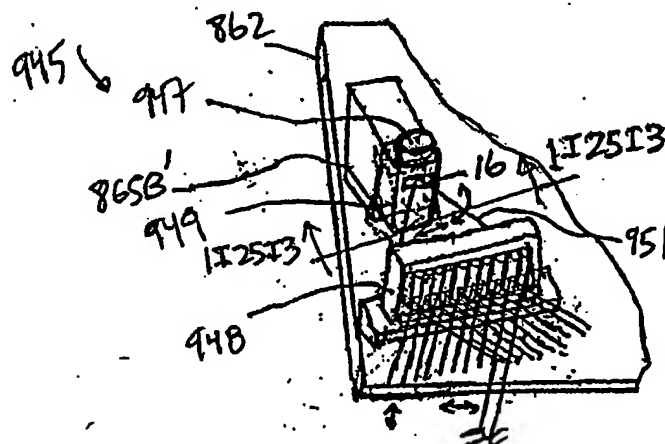


FIG. 1I25I2

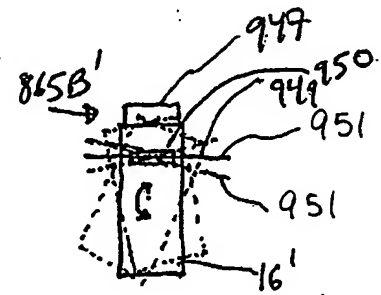


FIG. 1I25I3

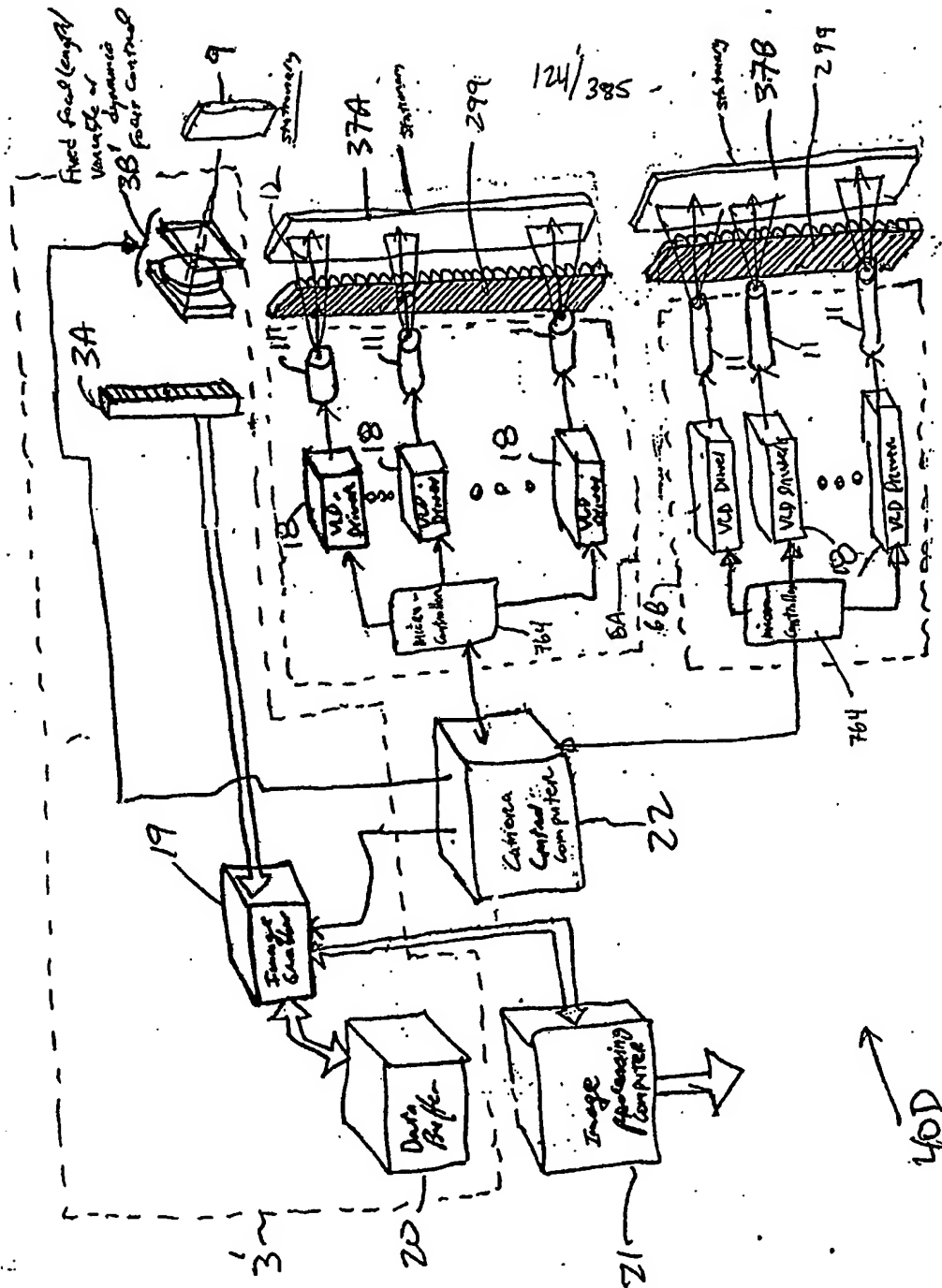


Fig 2F2

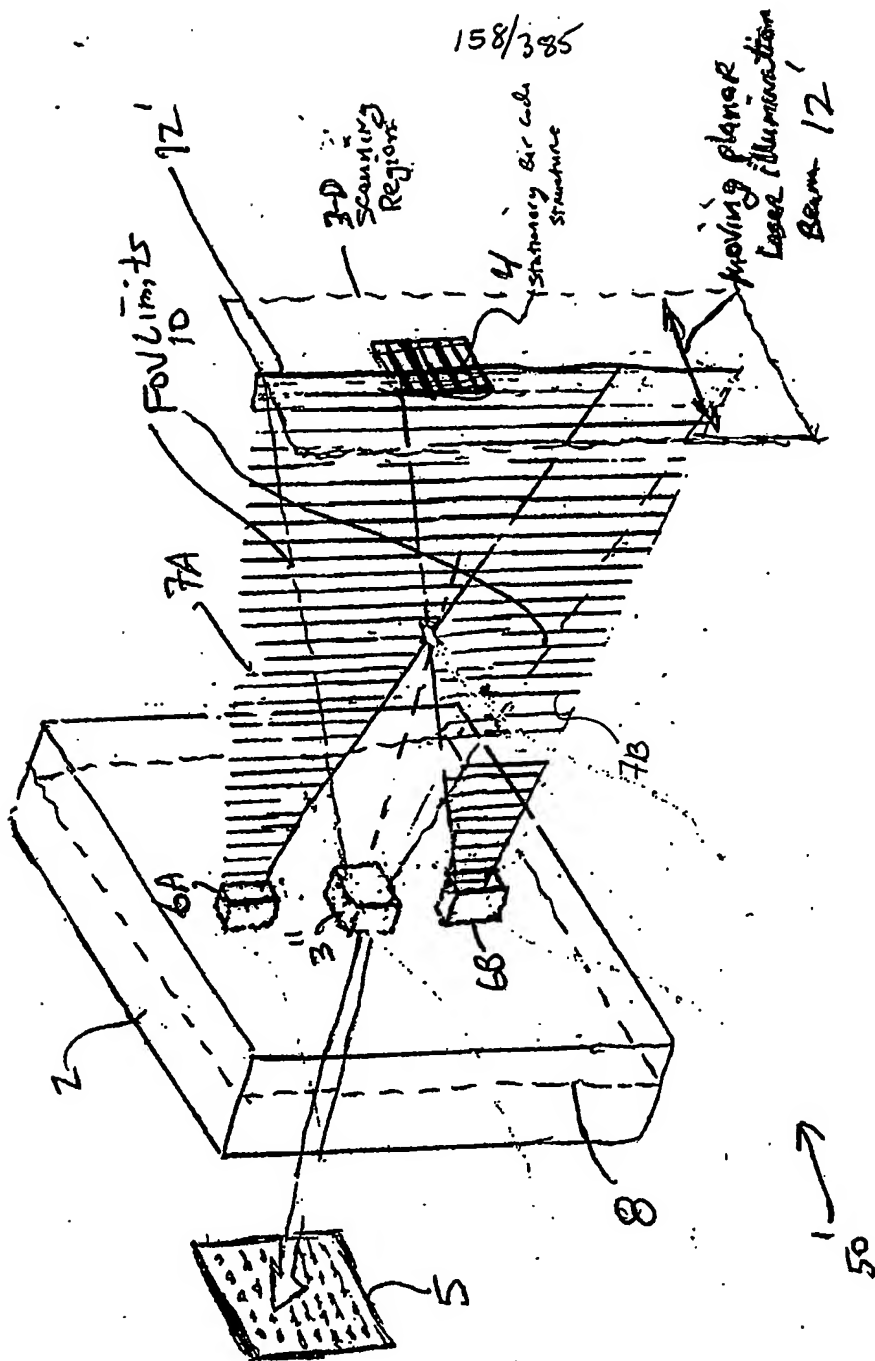


FIG. 3J1

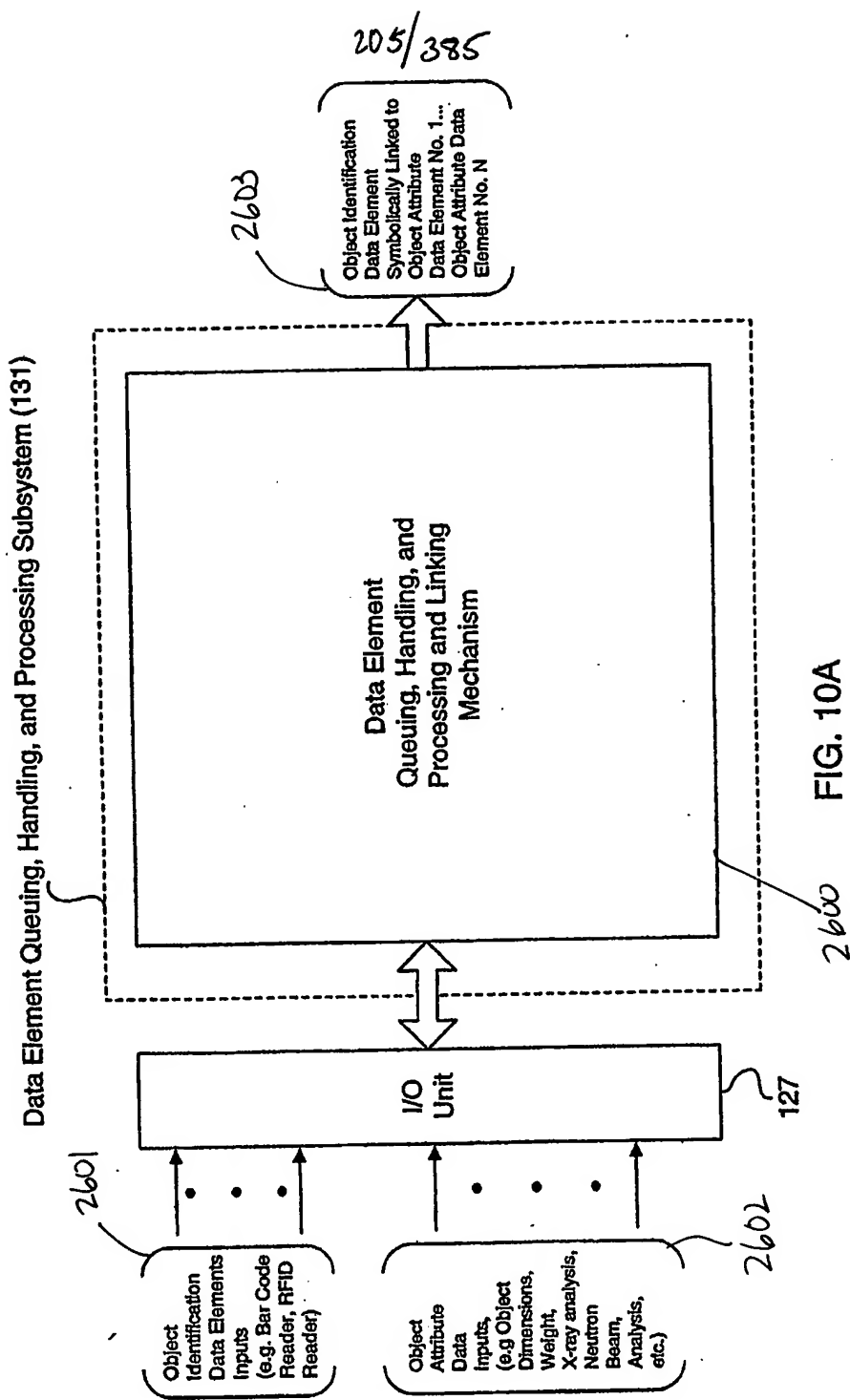
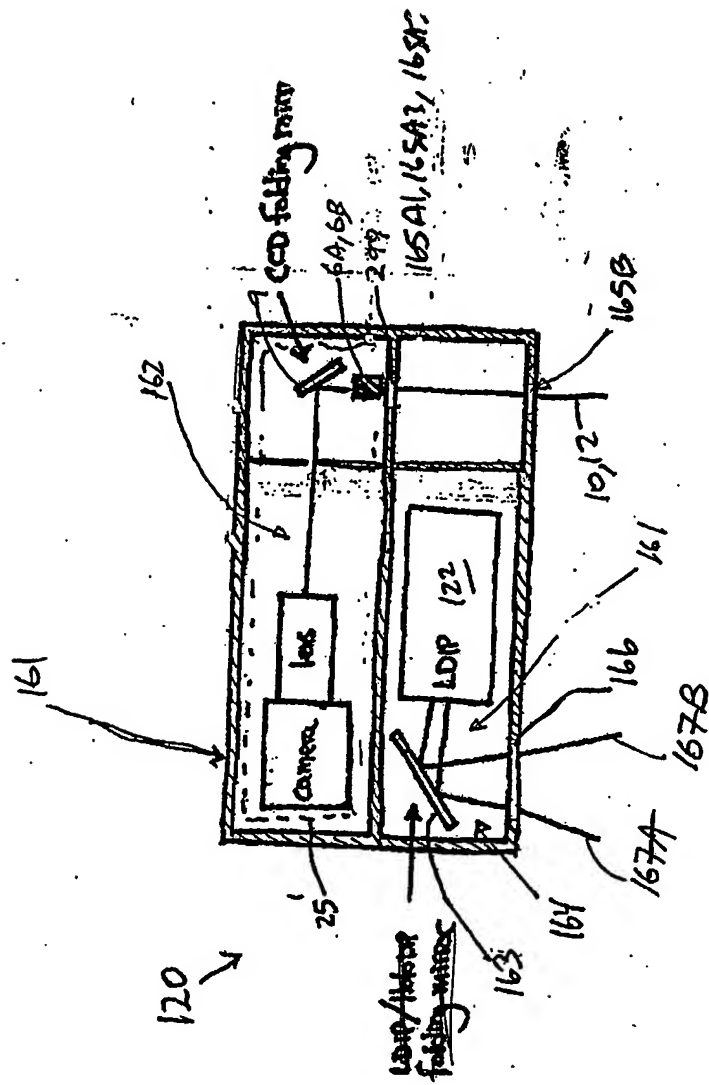
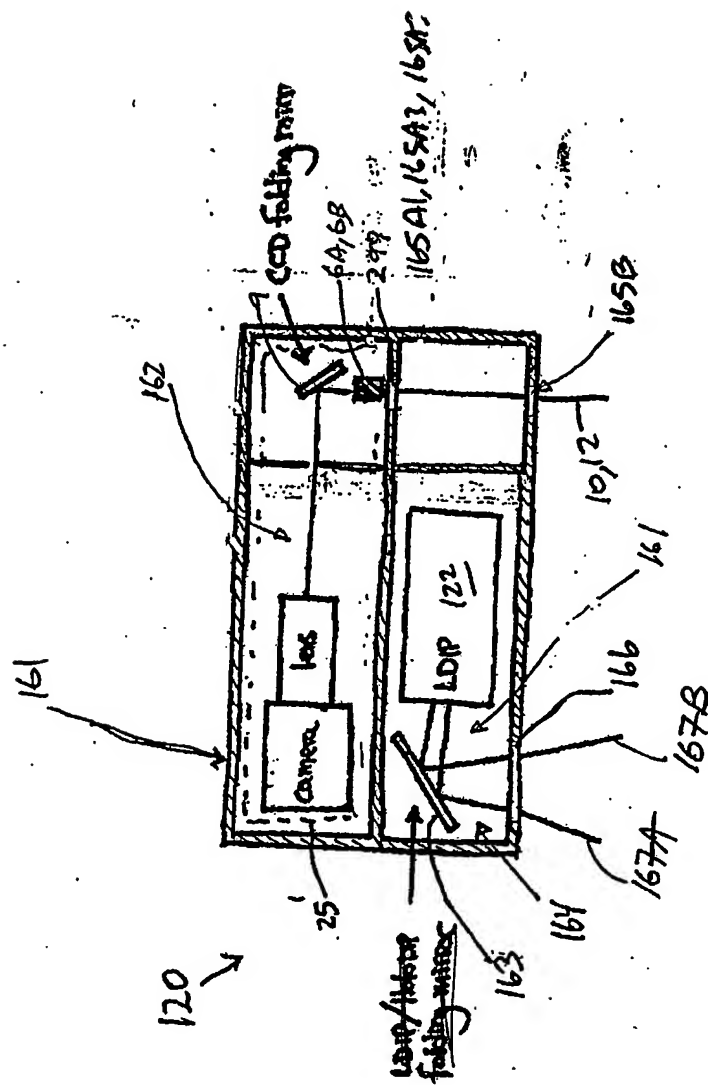


FIG. 10A

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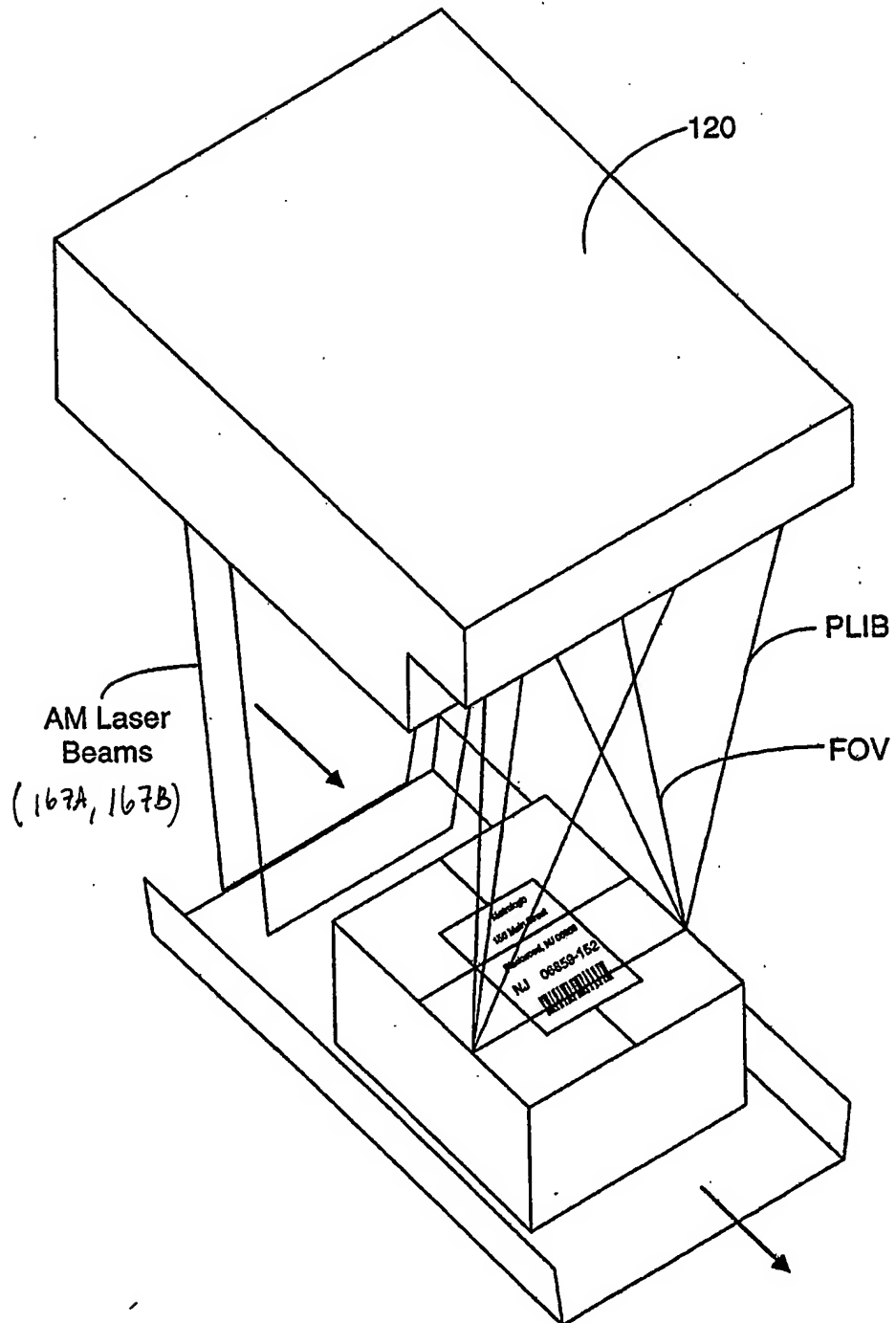
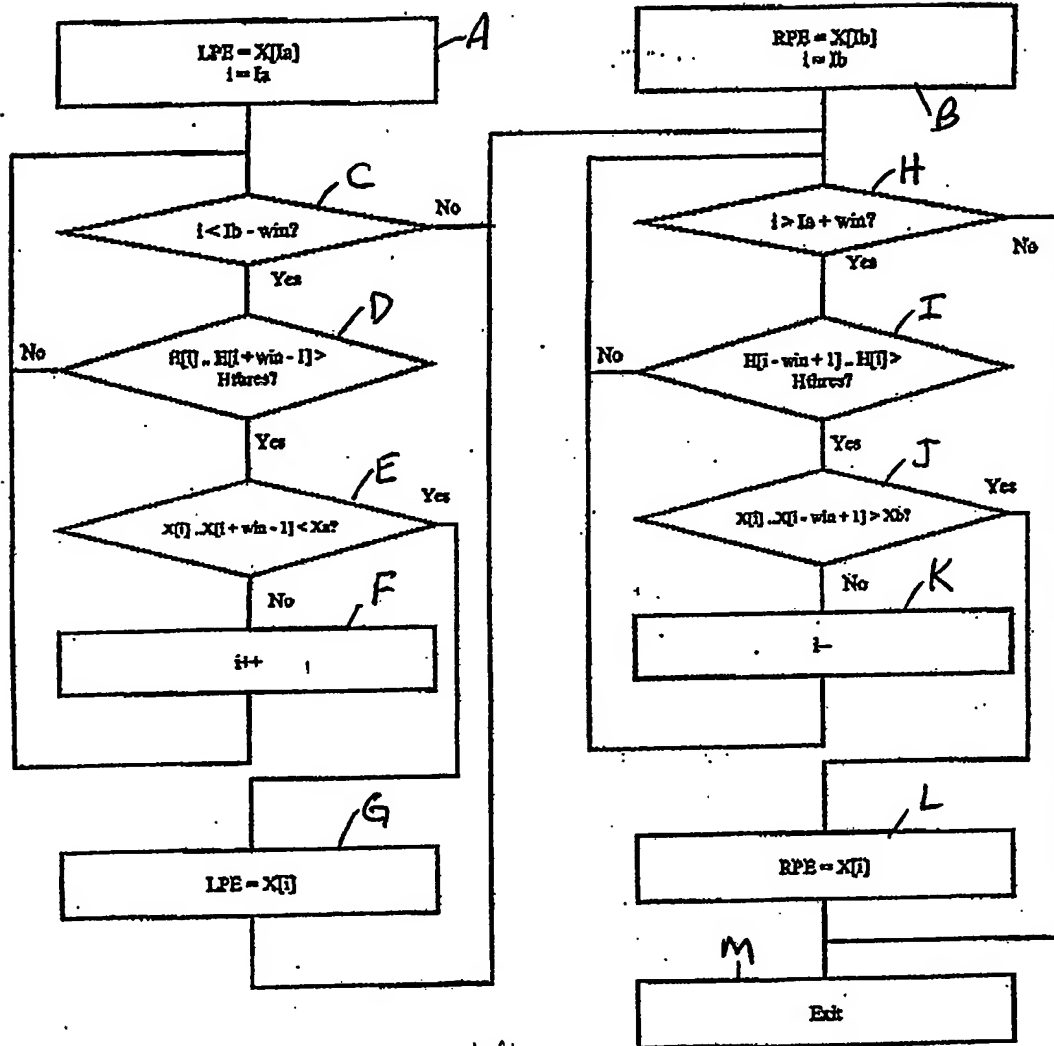


FIG. 13A

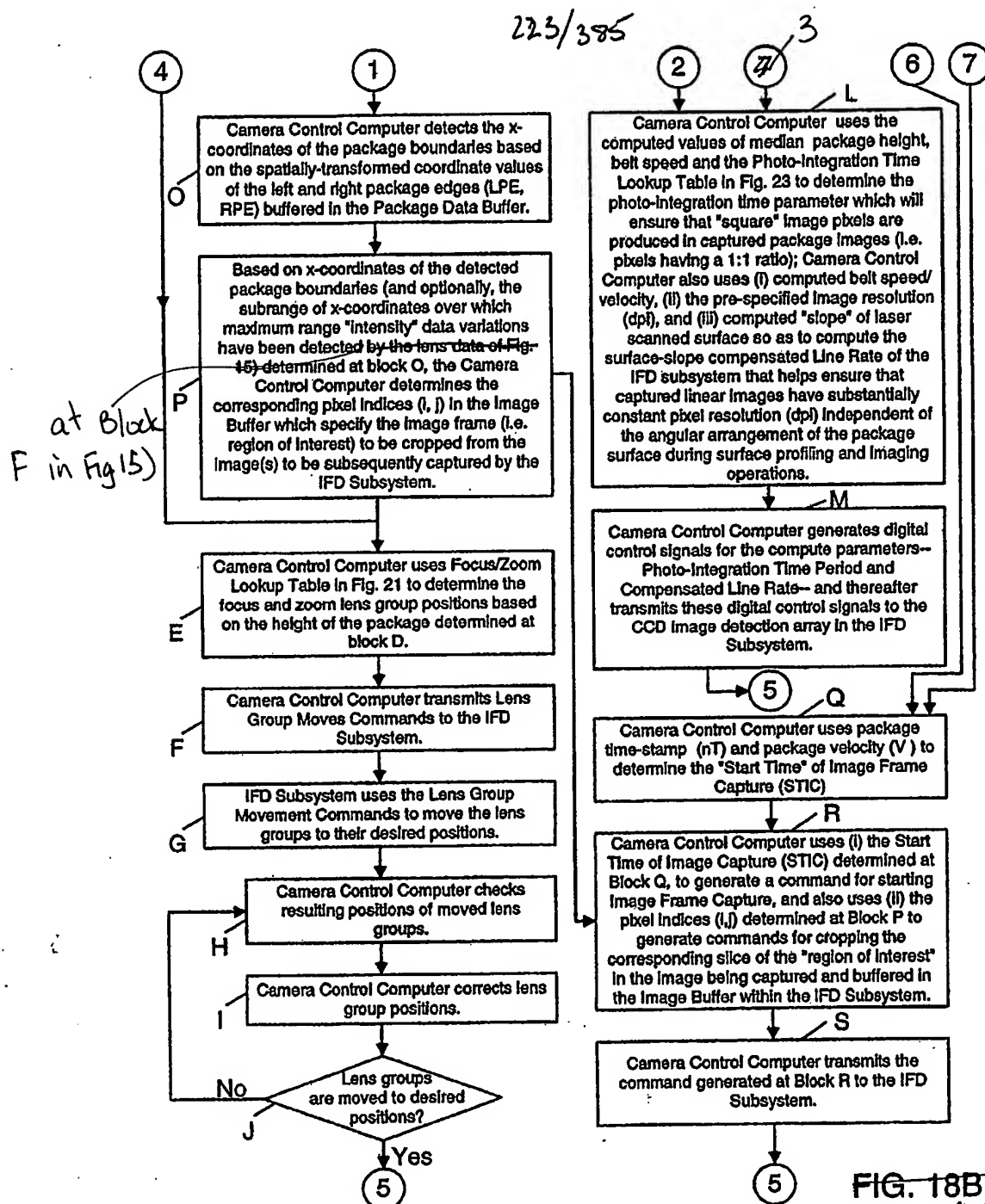
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LDIP Real Time Package Edge Detection



X_a = location of belt left edge; X_b = location of belt right edge
 I_a = belt edge pixel; I_b = belt right edge pixel
 LPE = Left package edge; RPE = Right package edge
 $H[i]$ = Pixel height array; $X[i]$ = Pixel location array
 win = package detection window

FIG. 16



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LASER

METHOD OF COMPUTING OPTICAL OUTPUT POWER FROM CASE-
DIODES IN PLANAR LASER ILLUMINATION ARRAY (PLIA) FOR
CONTROLLING CONSTANT WHITE LEVEL IN IMAGE PIXELS CAPTURED
BY PLIIM-BASED LINEAR IMAGER

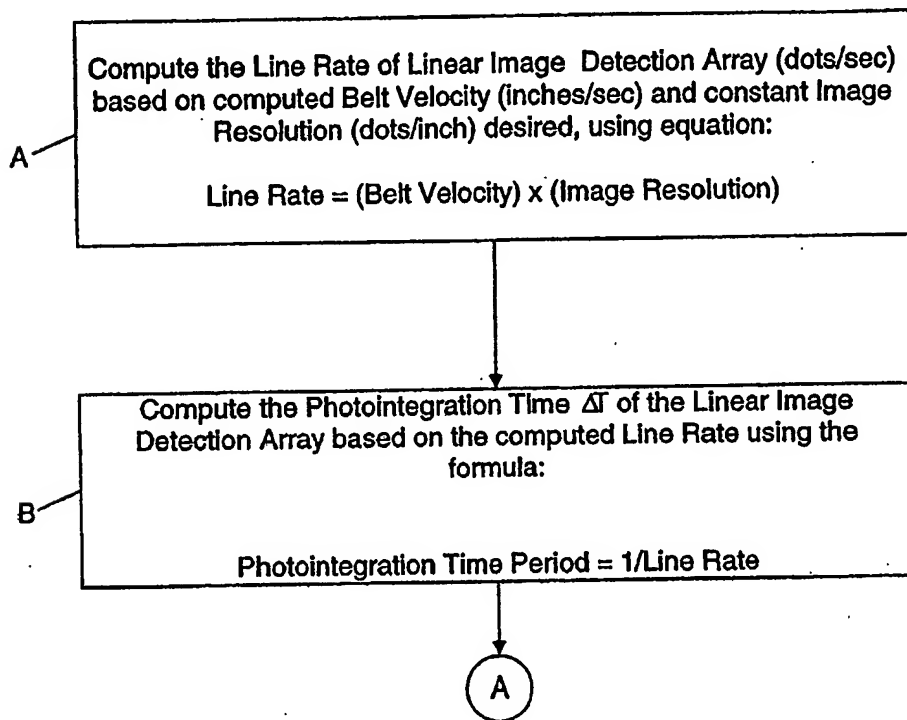


FIG. 18C1

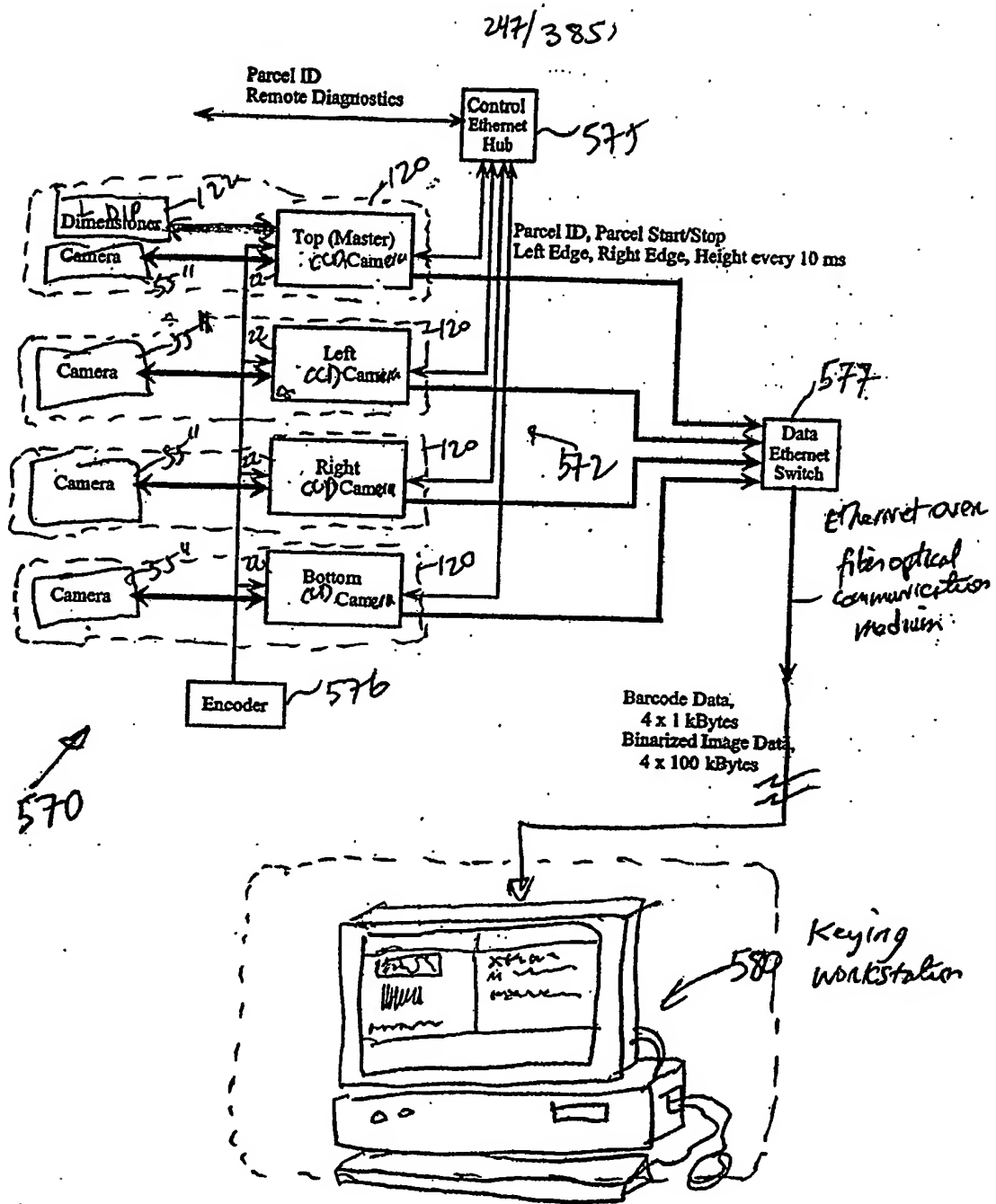
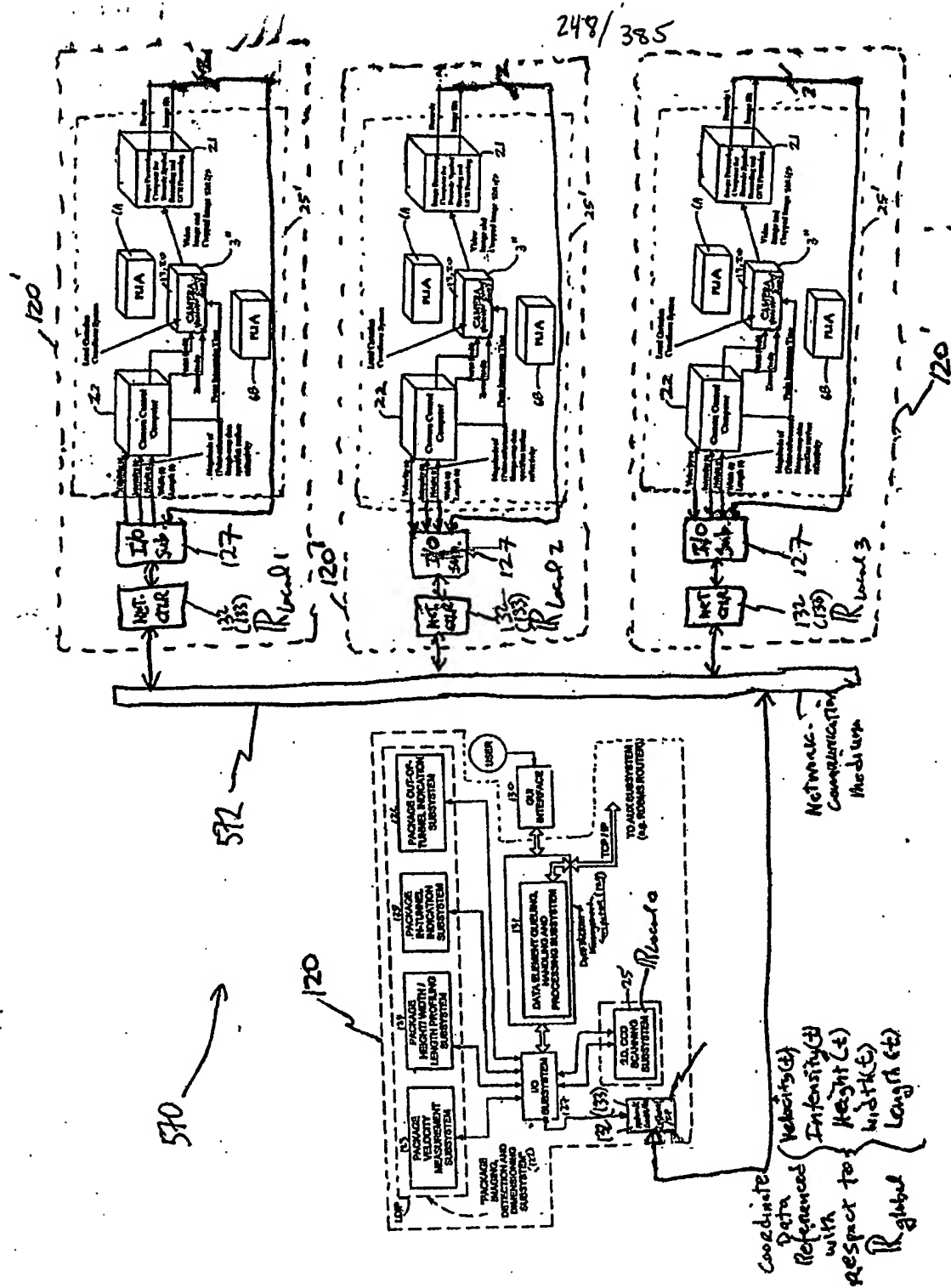


FIG. 29



FIGS. 30-1 through 30-4

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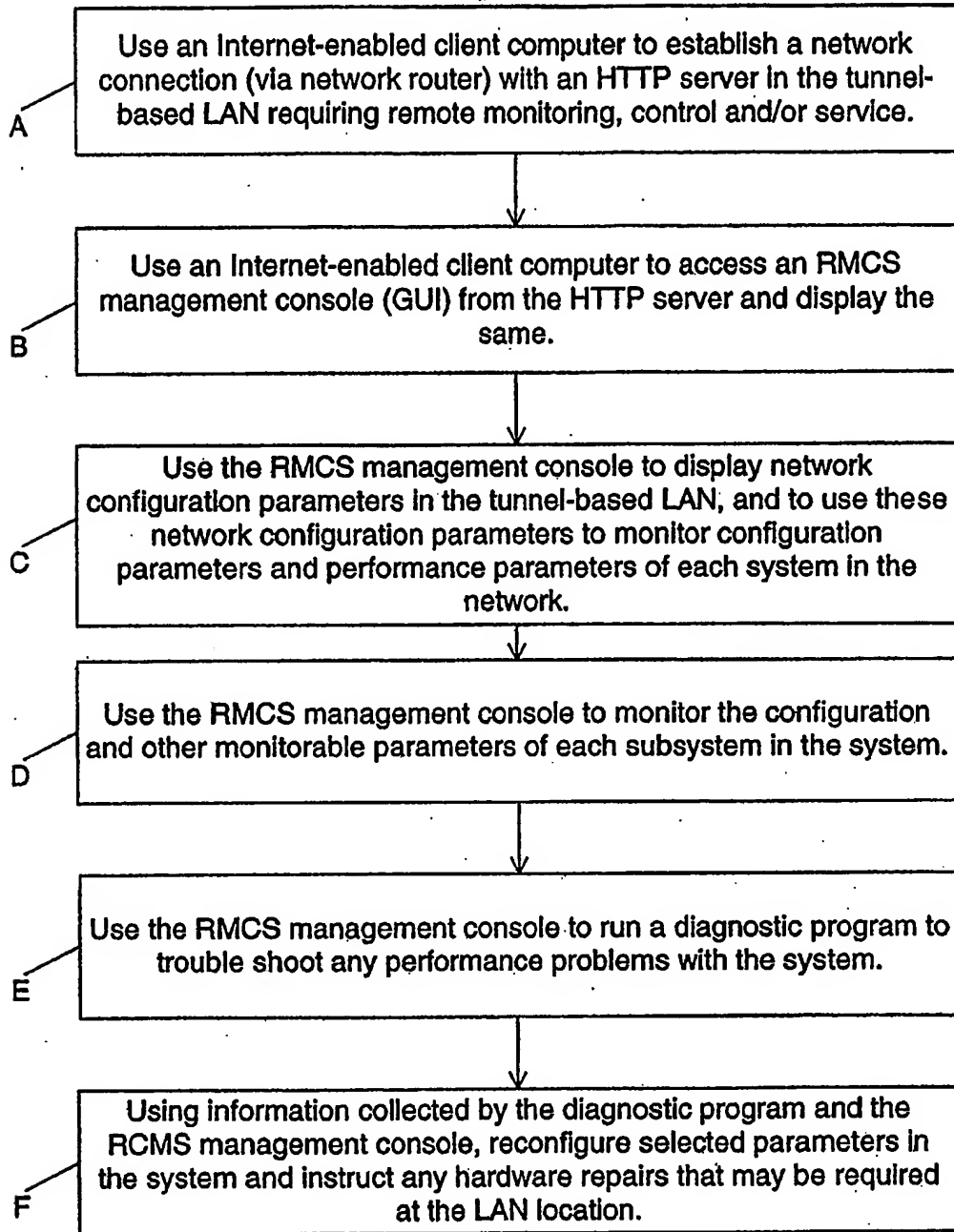
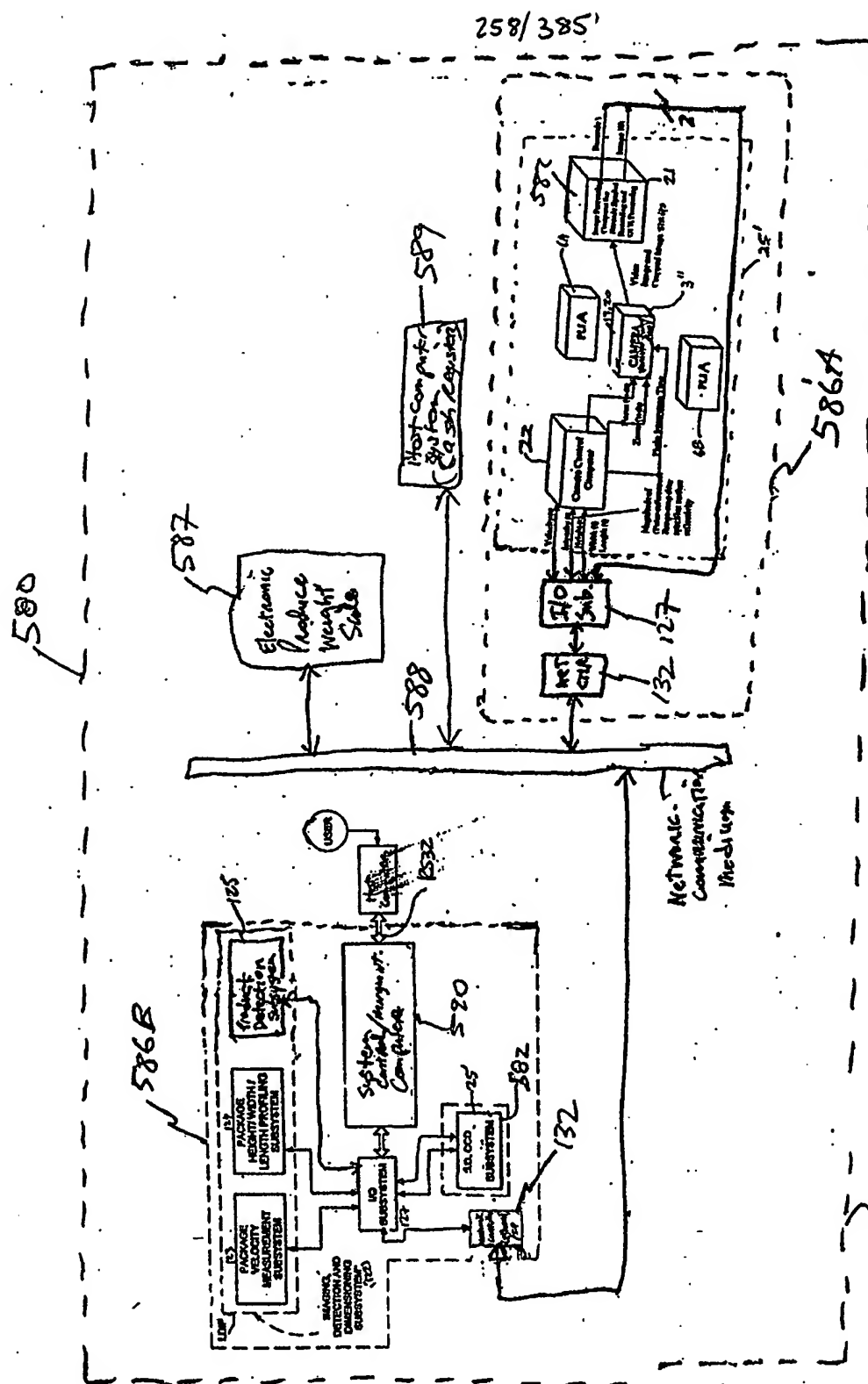


FIG. 30D1



FIGS. 33C1 and 33C2

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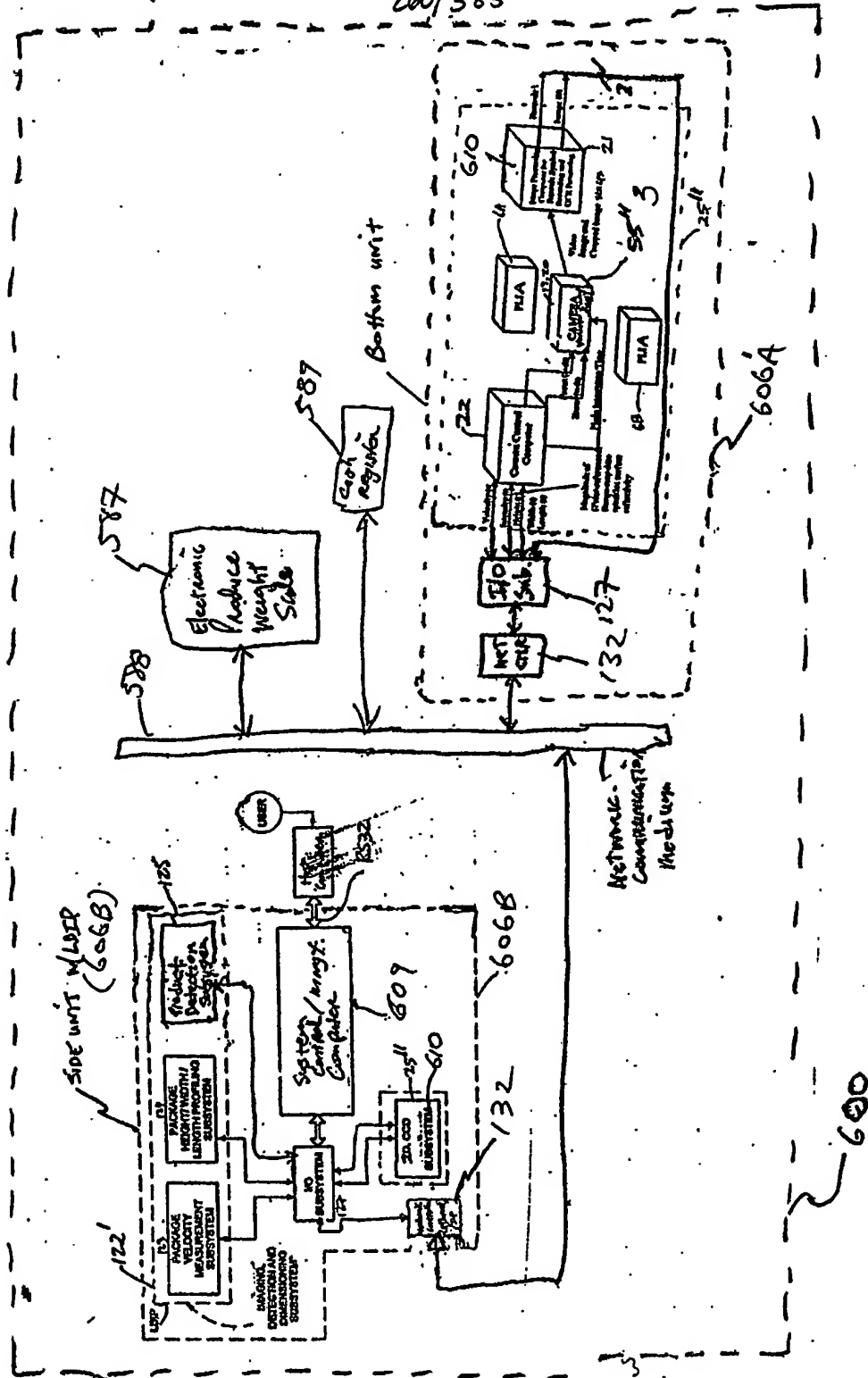
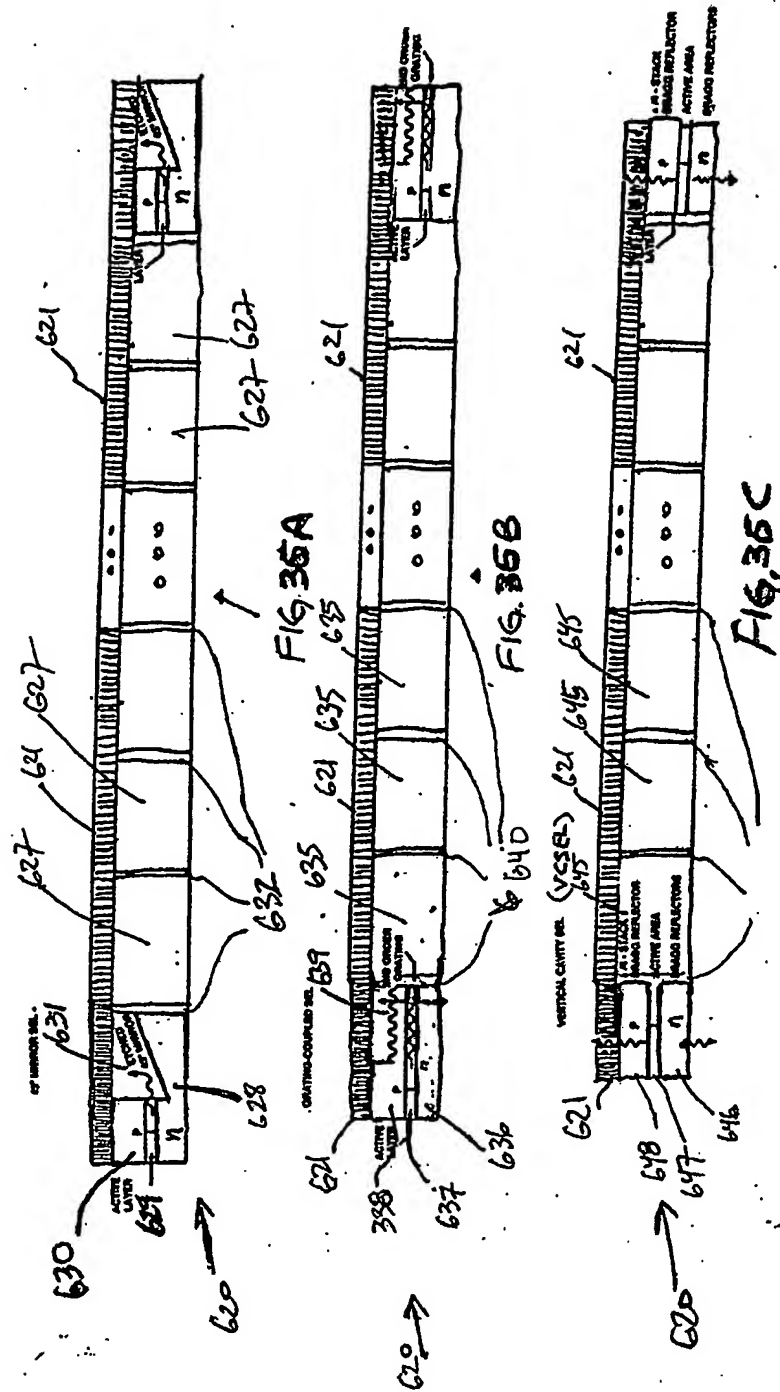


FIG. 34C
FIGS. 34C1 and 34C2



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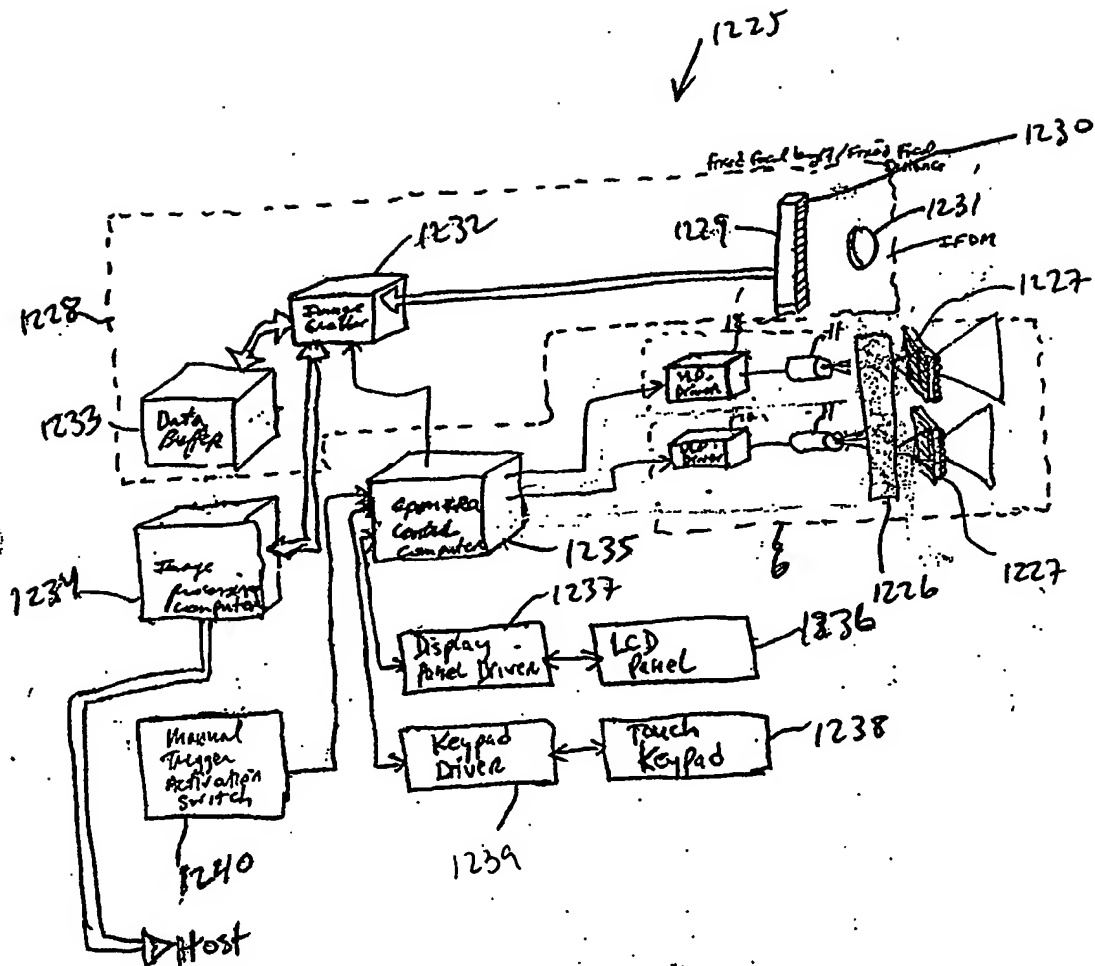


FIG. 40A1

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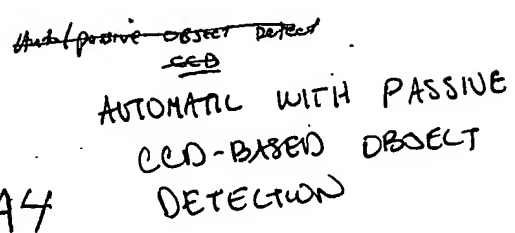
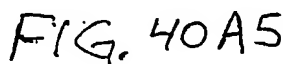
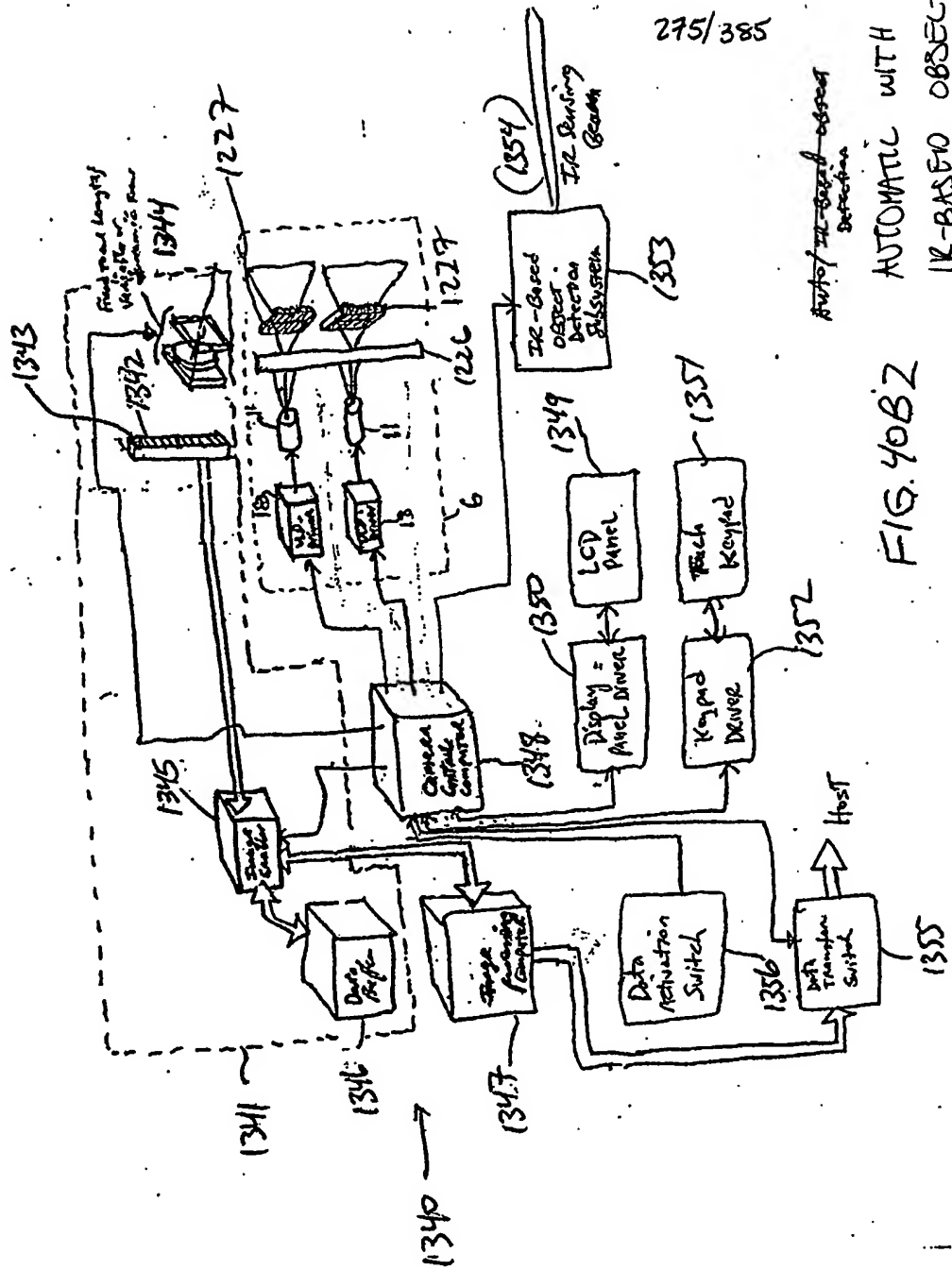


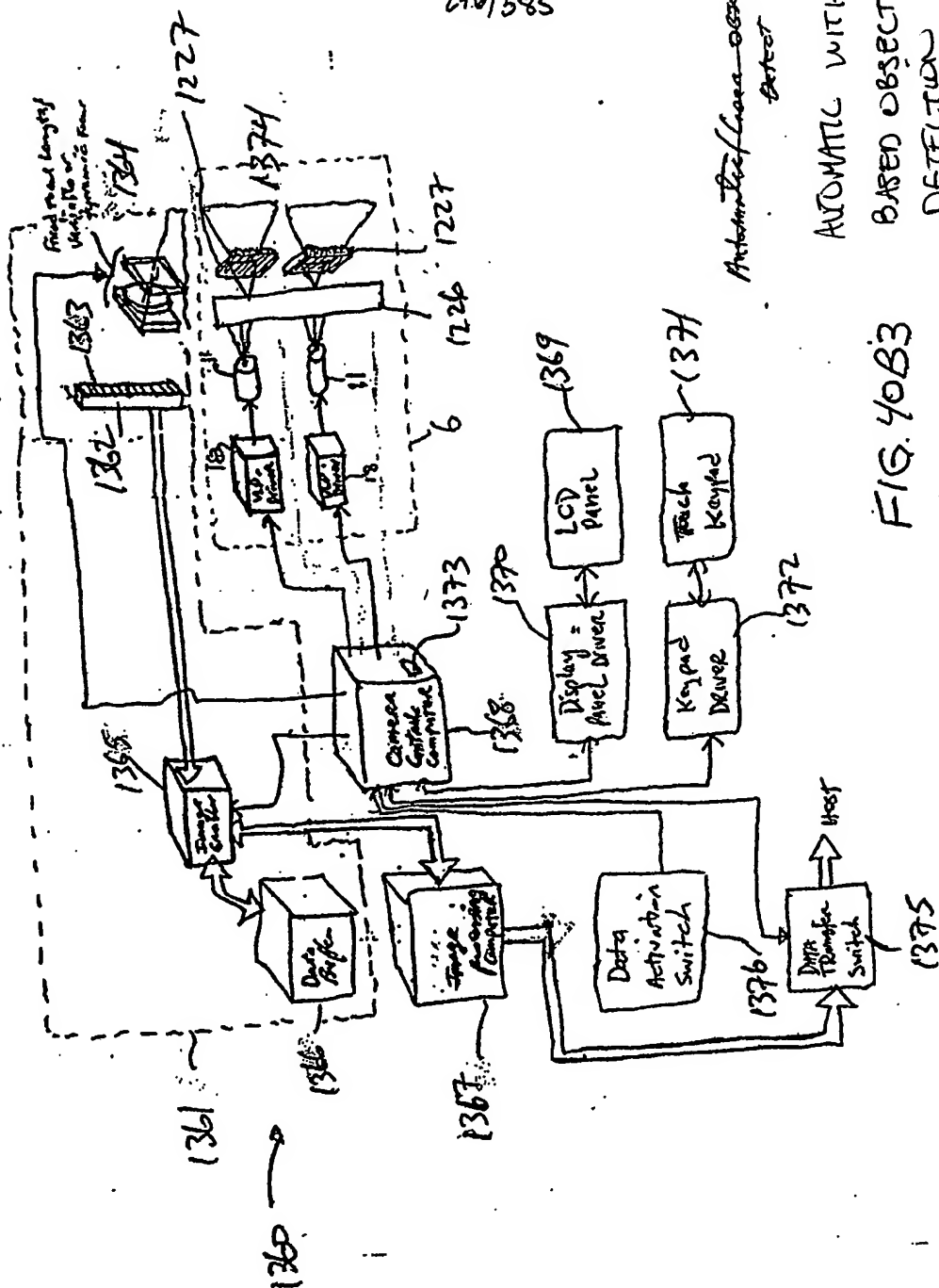
FIG. 40A4

$$273 \overline{) 385}$$


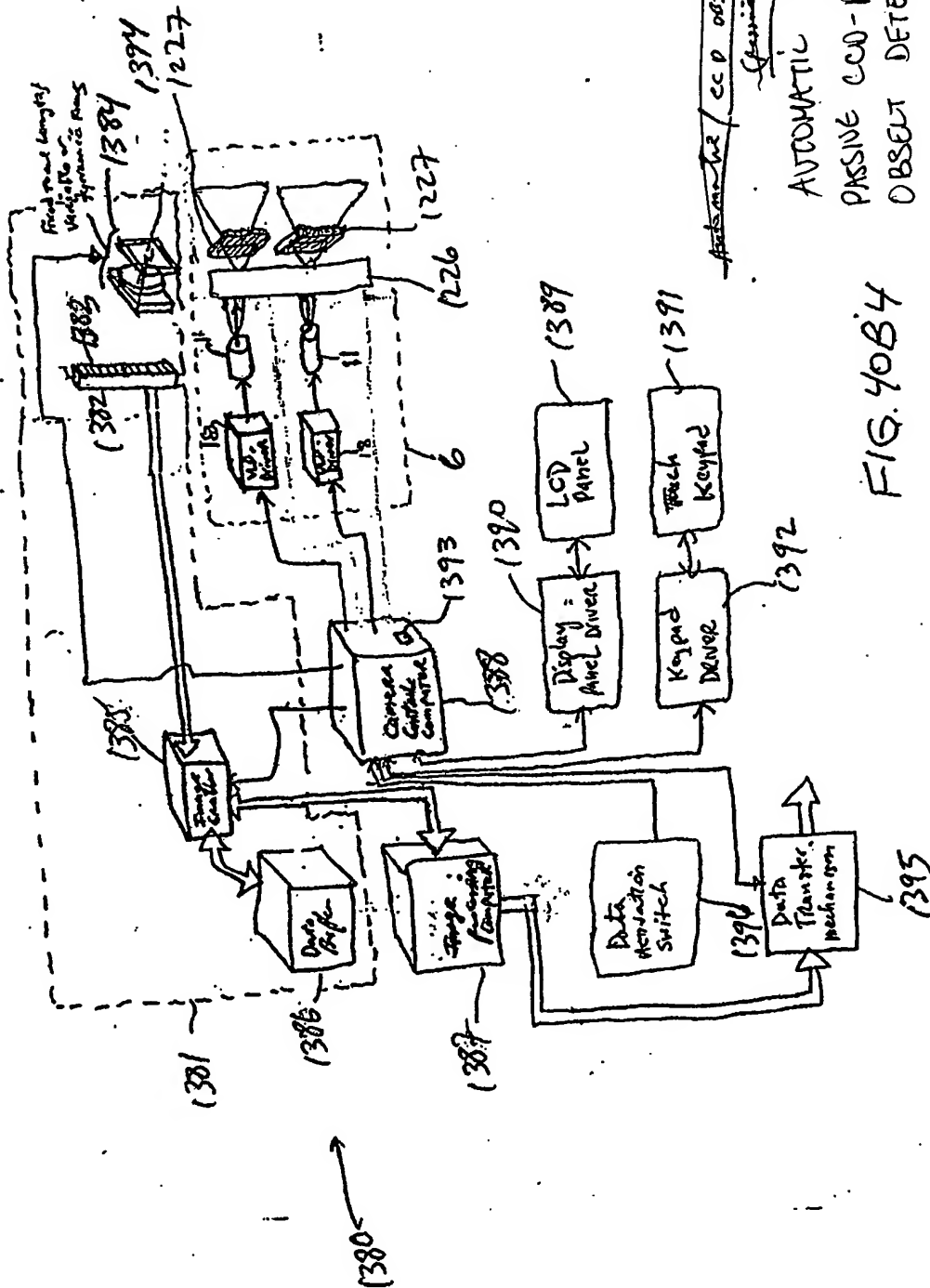
AUTOMATIC WITH BCD
ONLY AND NO OBJECT
DETECTION



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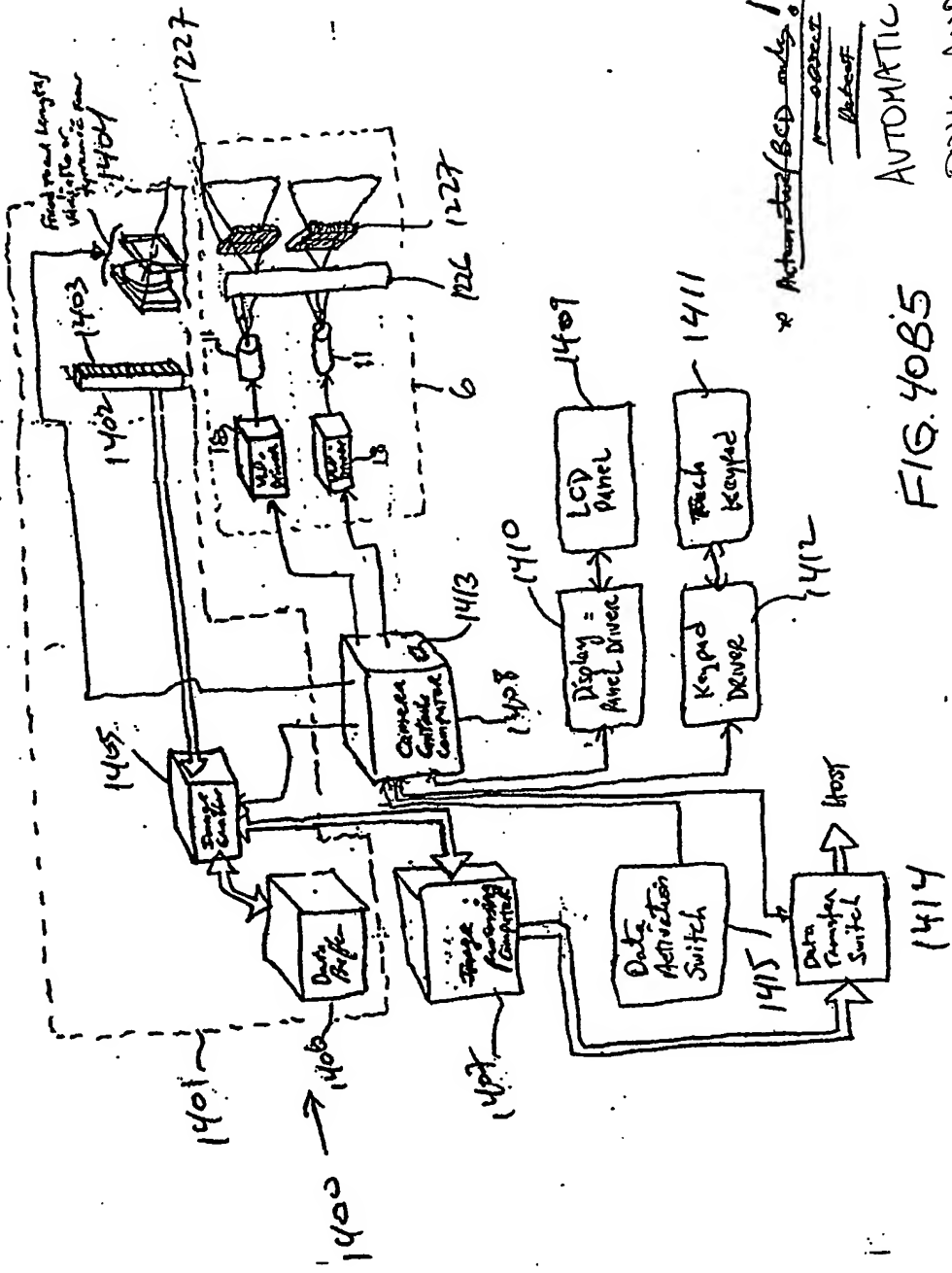
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AUTOMATIC WITH
PASSIVE CO₂-BASED
OBJECT DETECTION

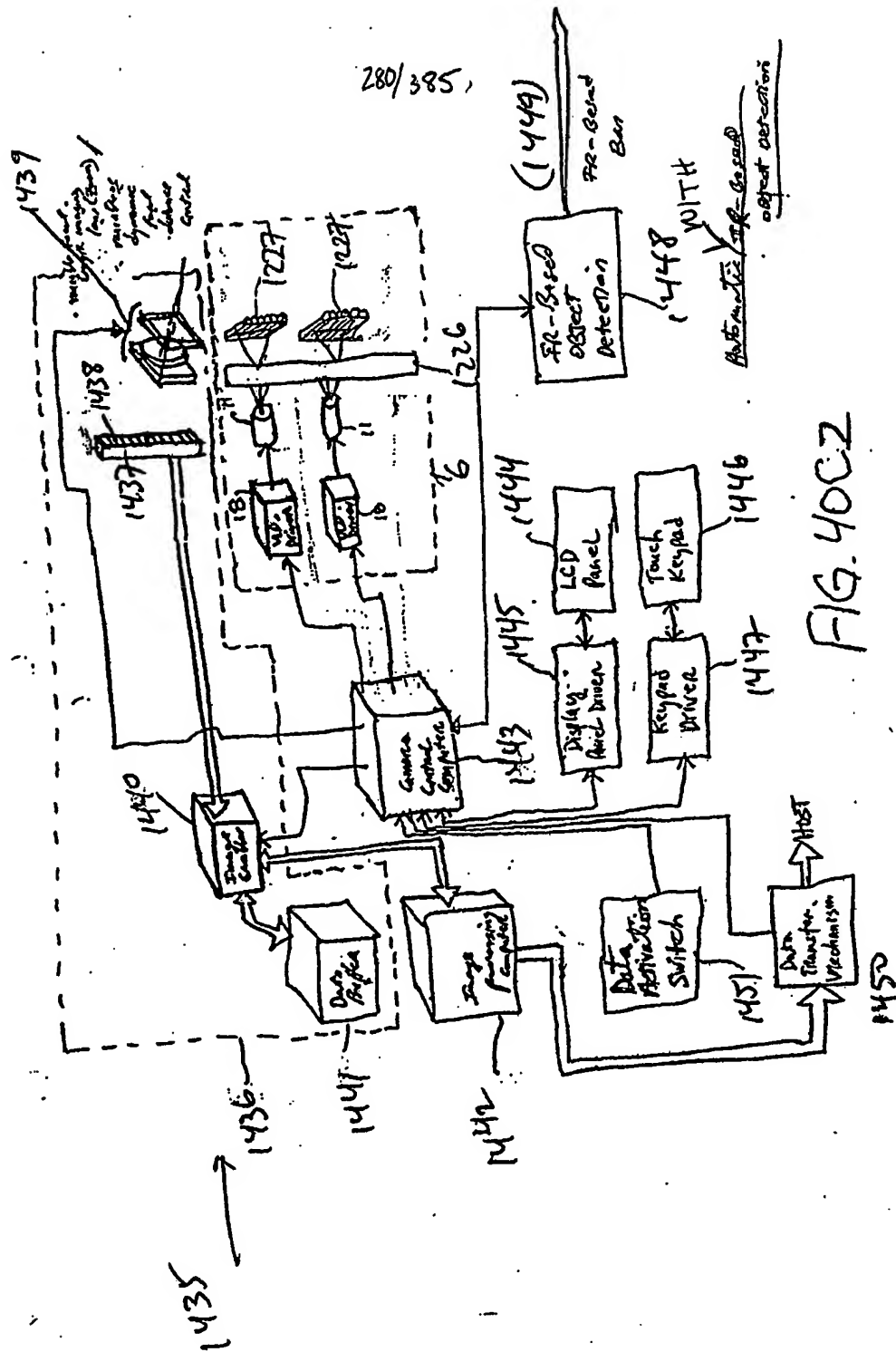
FIG. 40B4

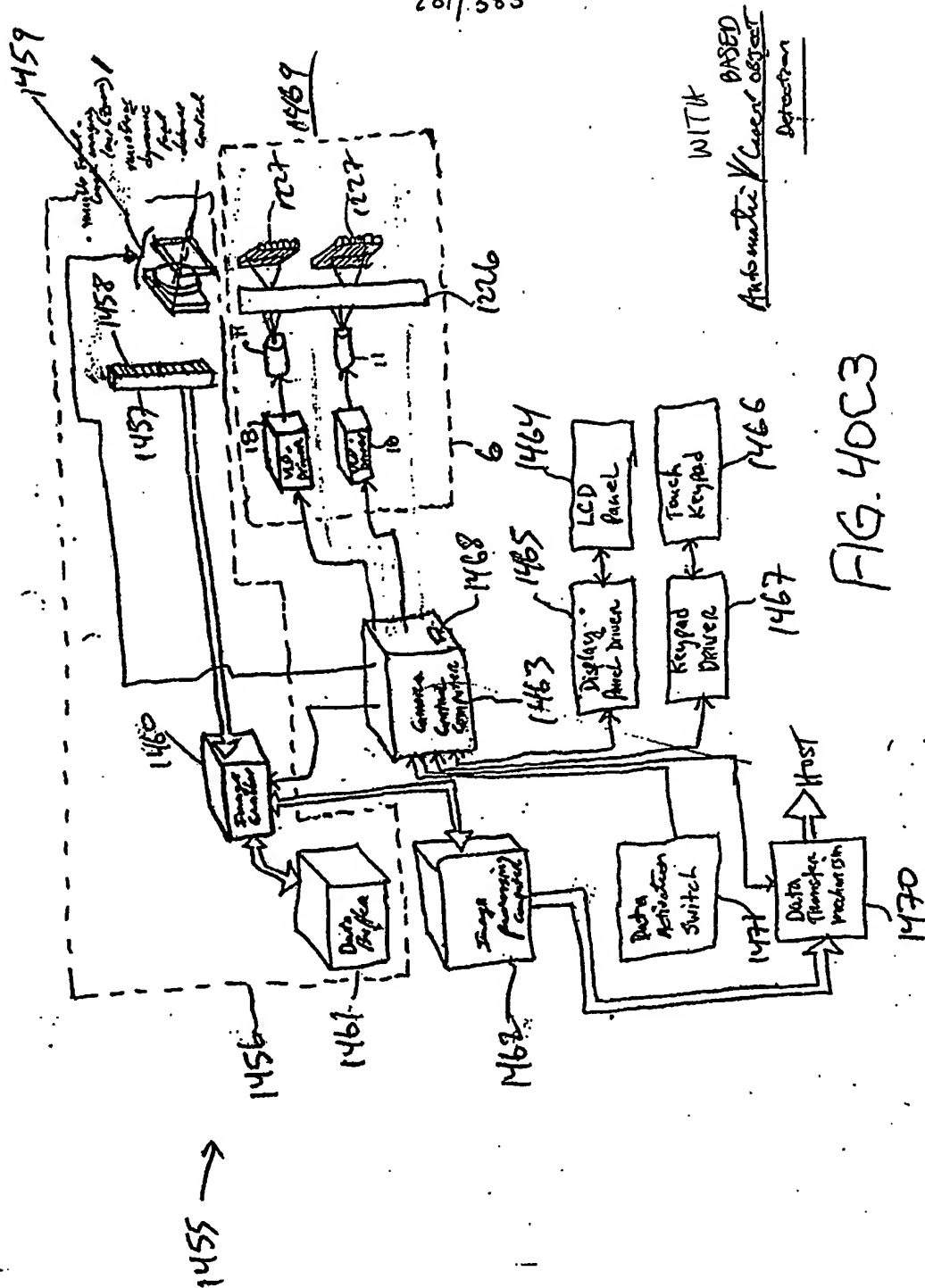
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AUTOMATIC WITH BCD
ONLY AND NO OBJECT
DETECTION

* Automated BCD only
no object
detection





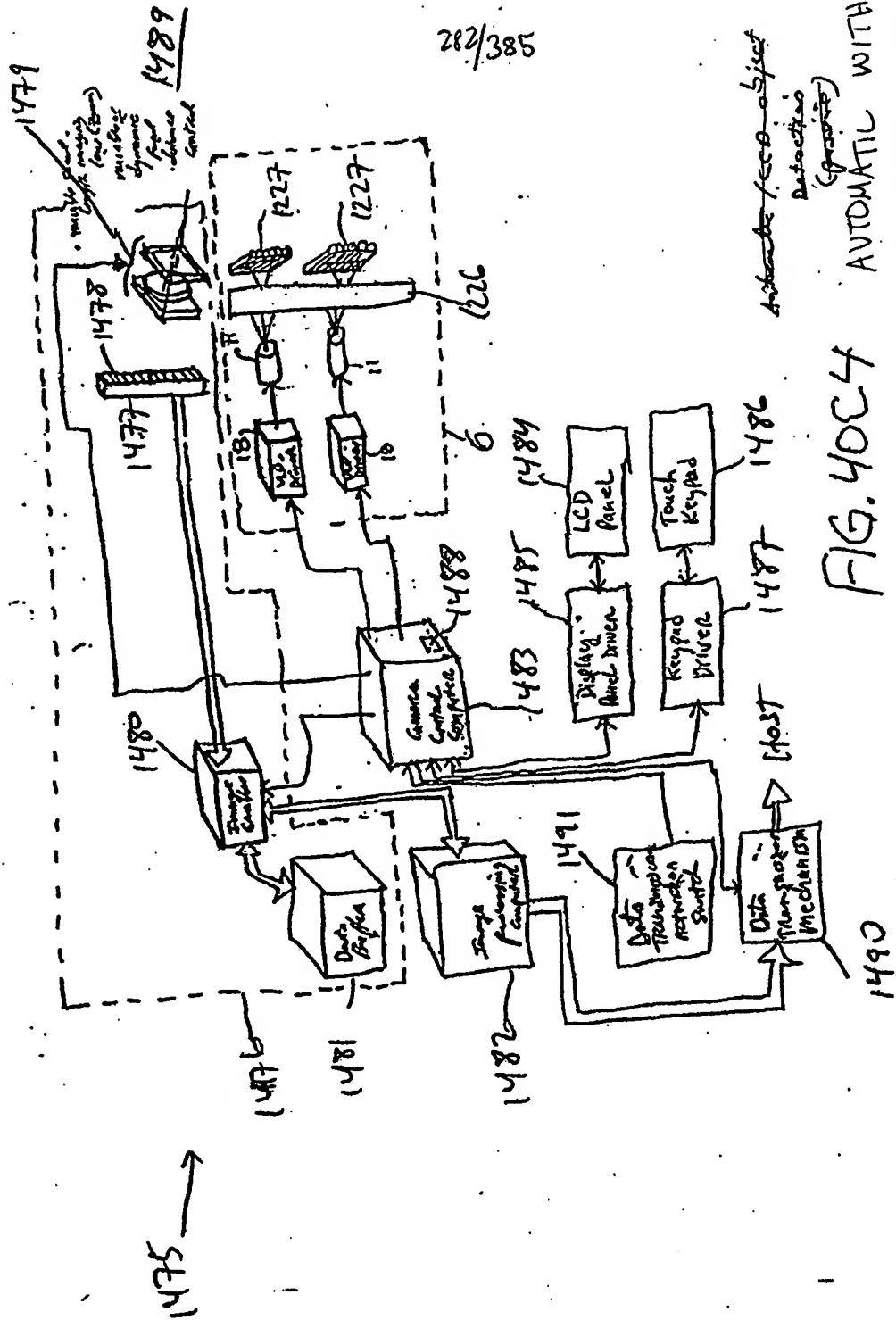


FIG. 40C4

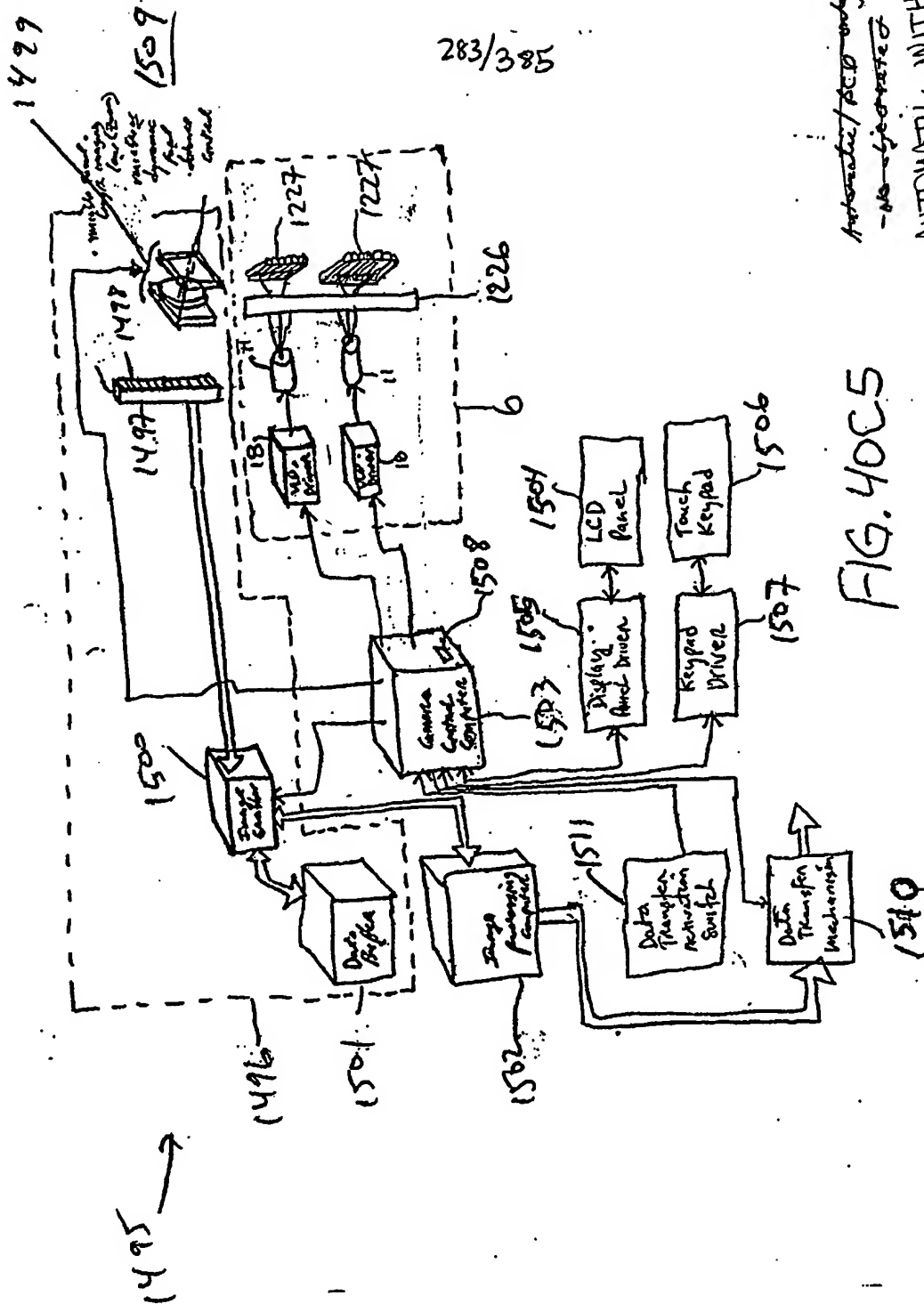
Attribute / ~~eed~~ object
Detections
(positive)

AUTOMATIC WITH PASSIVE
 COLD-BASED OBSECTON

1490

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~~Automatic/Bed only~~
~~-no fire rate~~
AUTOMATIC WITH
BED ONLY AND NO
OBJECT DETECTION



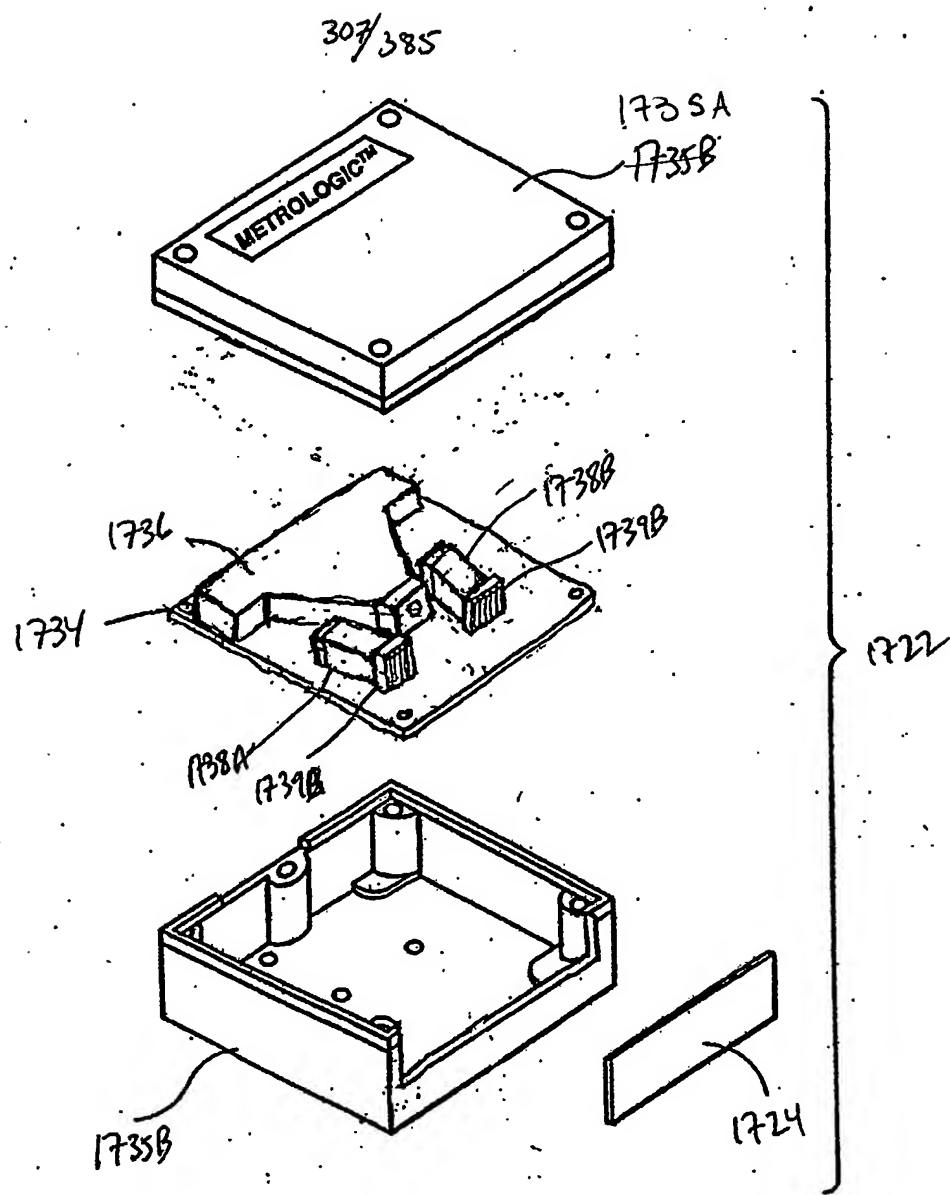


FIG. 48B

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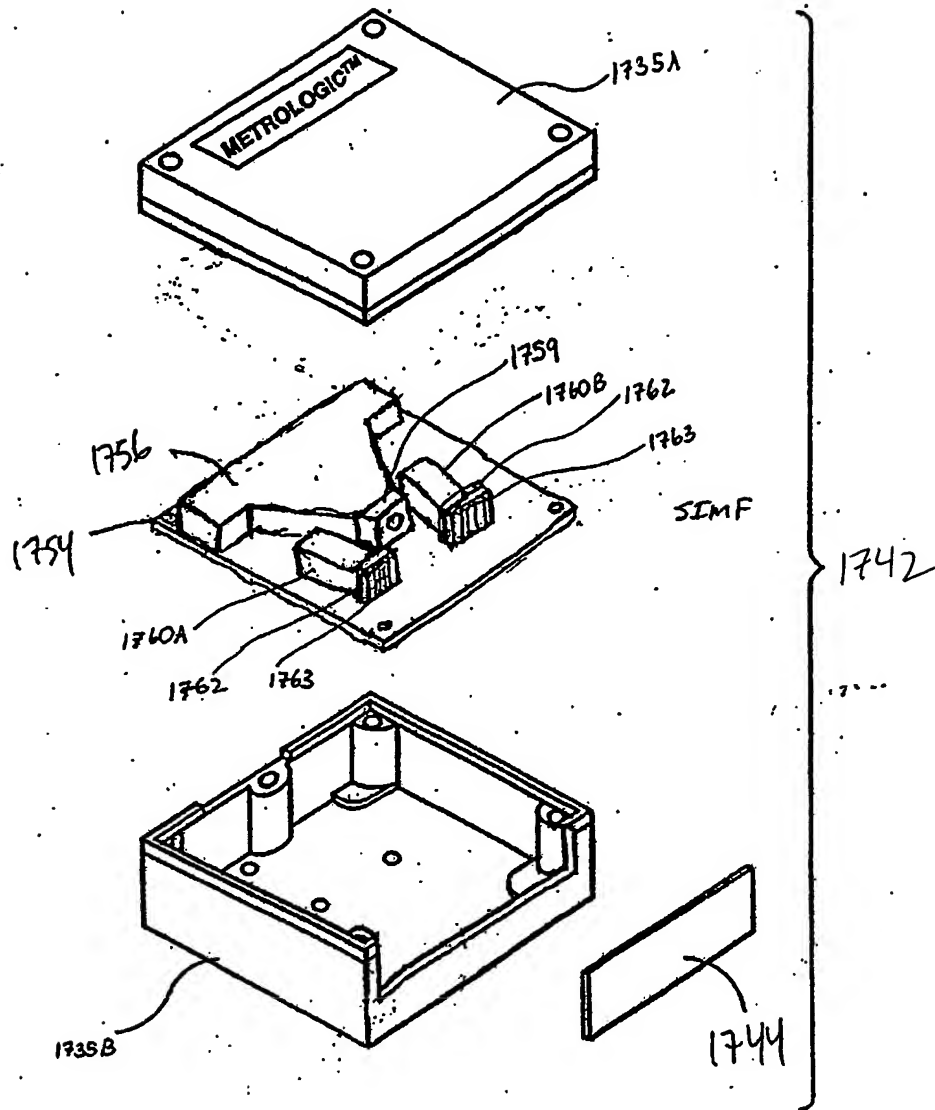
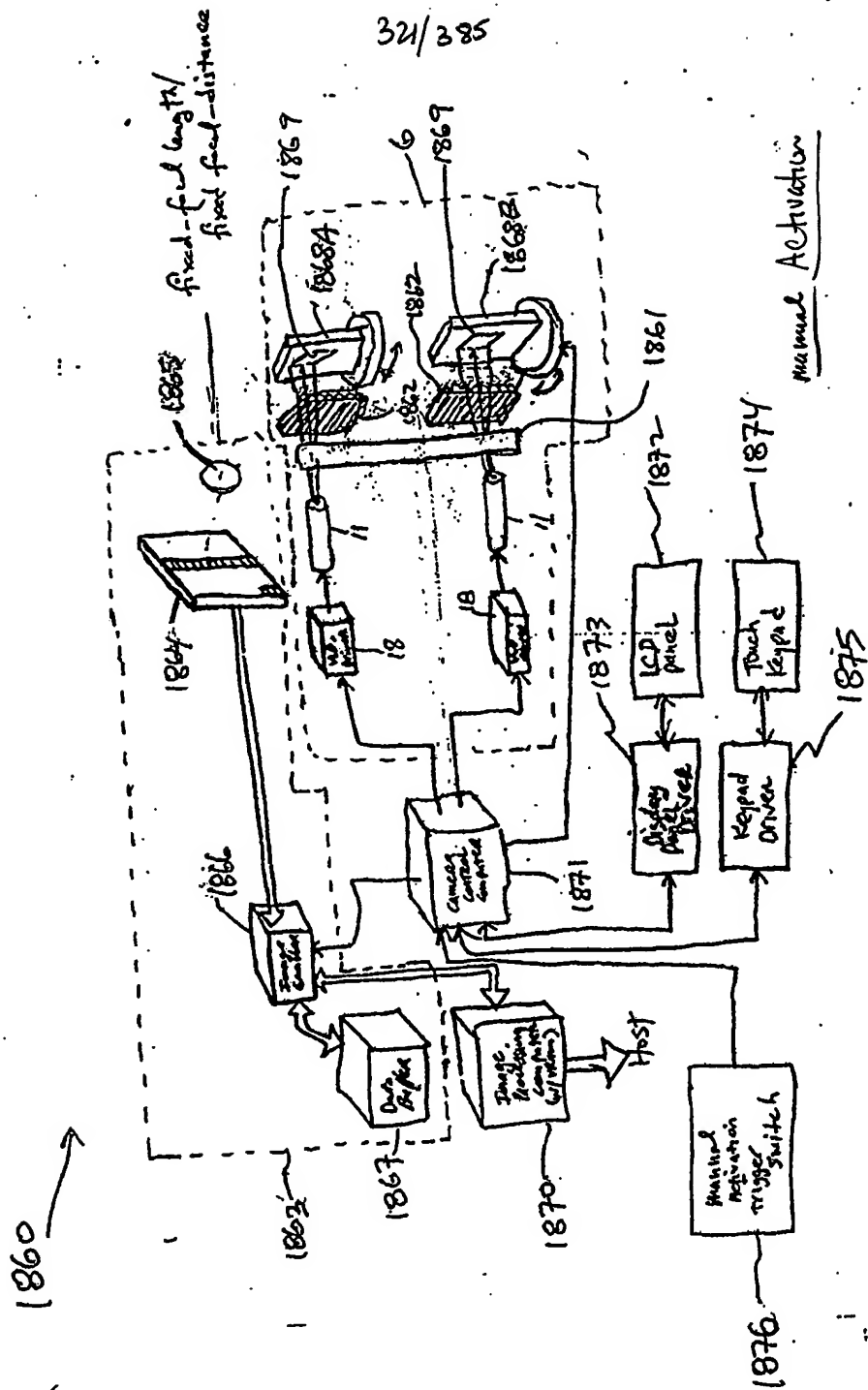
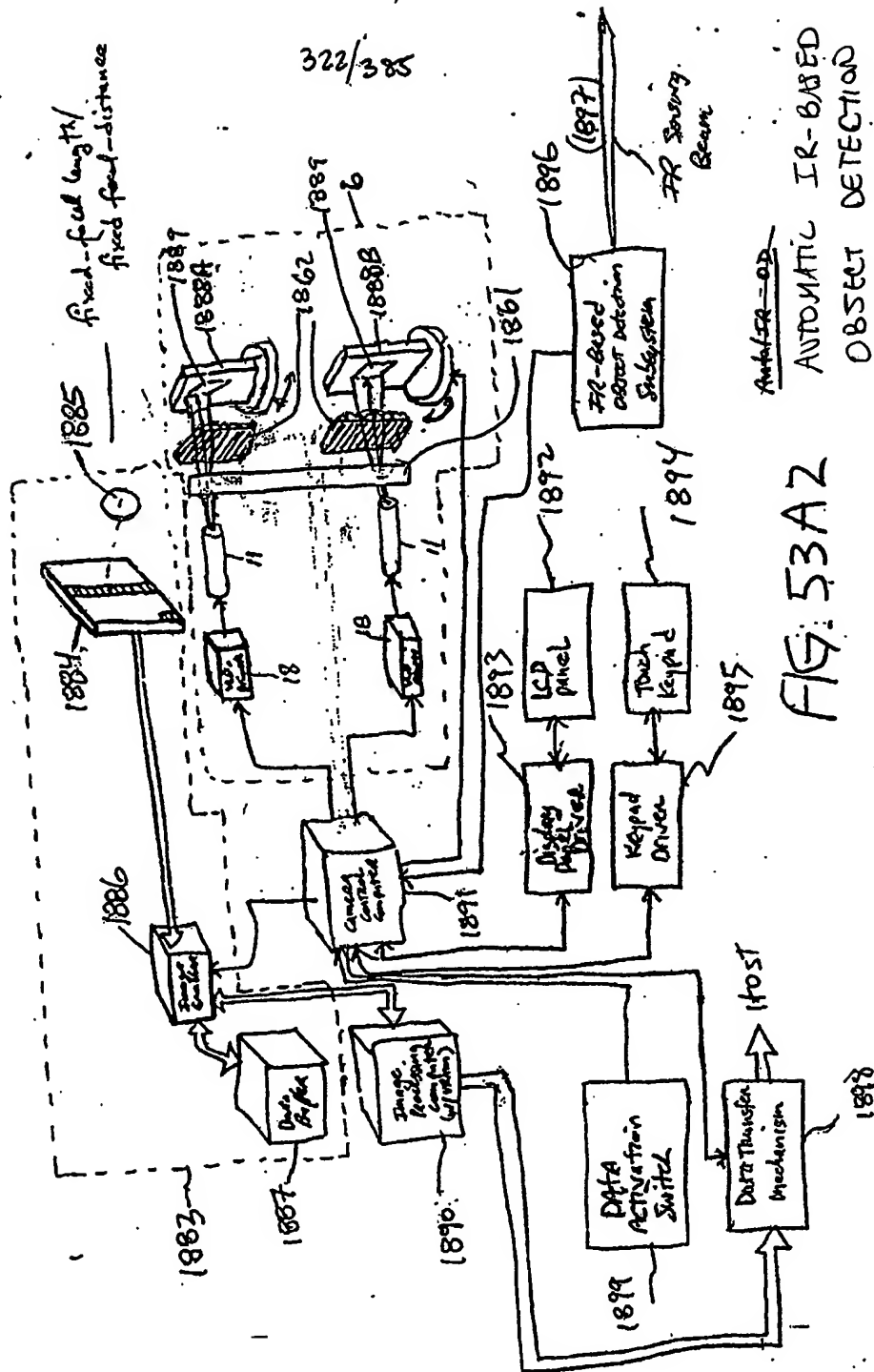


FIG. 49B

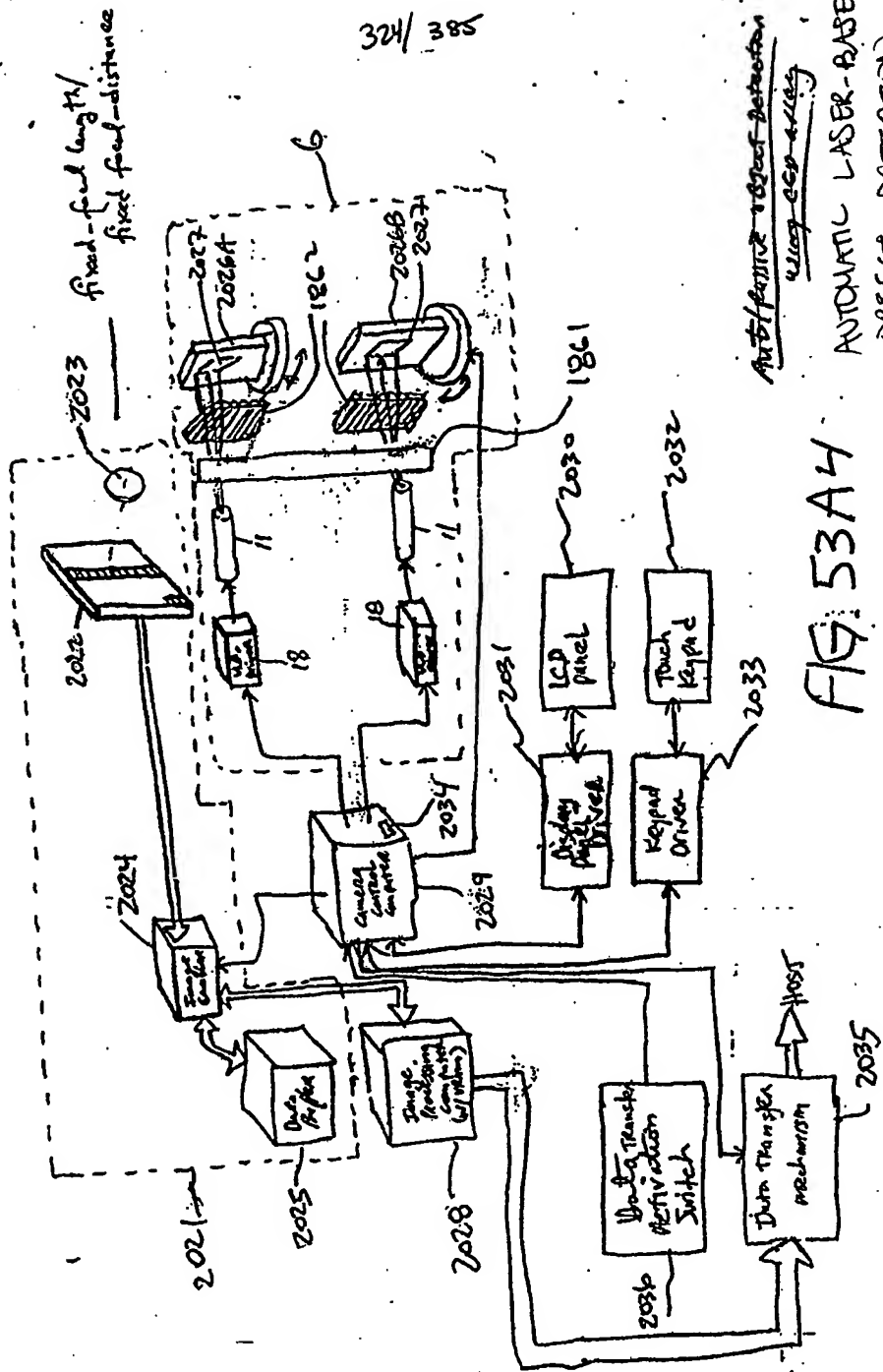
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1880 →



2022 →

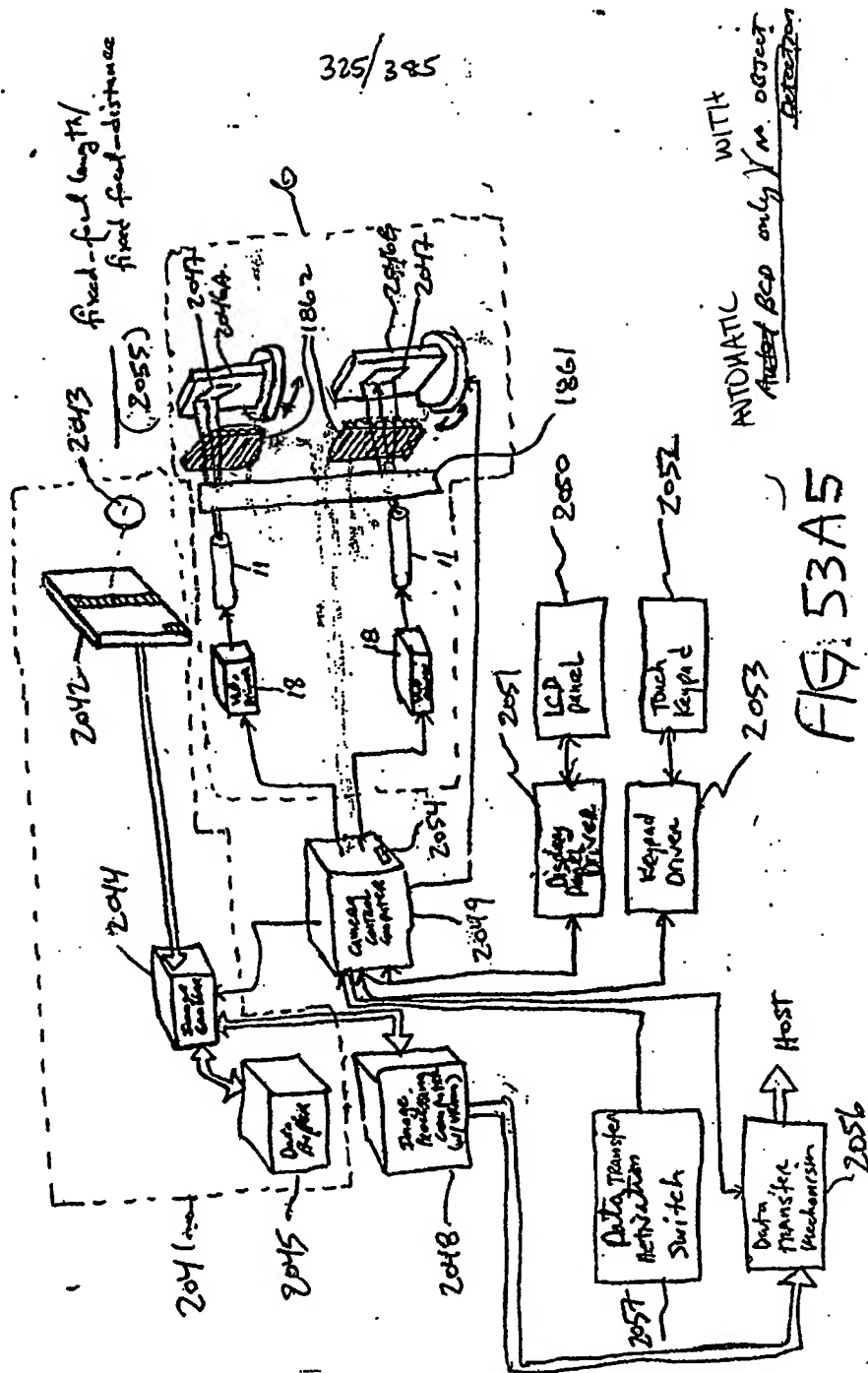


Auto/Passive Object Detection
using CCD array
AUTOMATIC LASER-BASED
OBJECT DETECTION
USING CCD-ARRAY

FIG. 53A4

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2040



WITH
AUTOMATIC
RECORD ONLY / NO OBJECT
DETECTION

FIG. 53A5

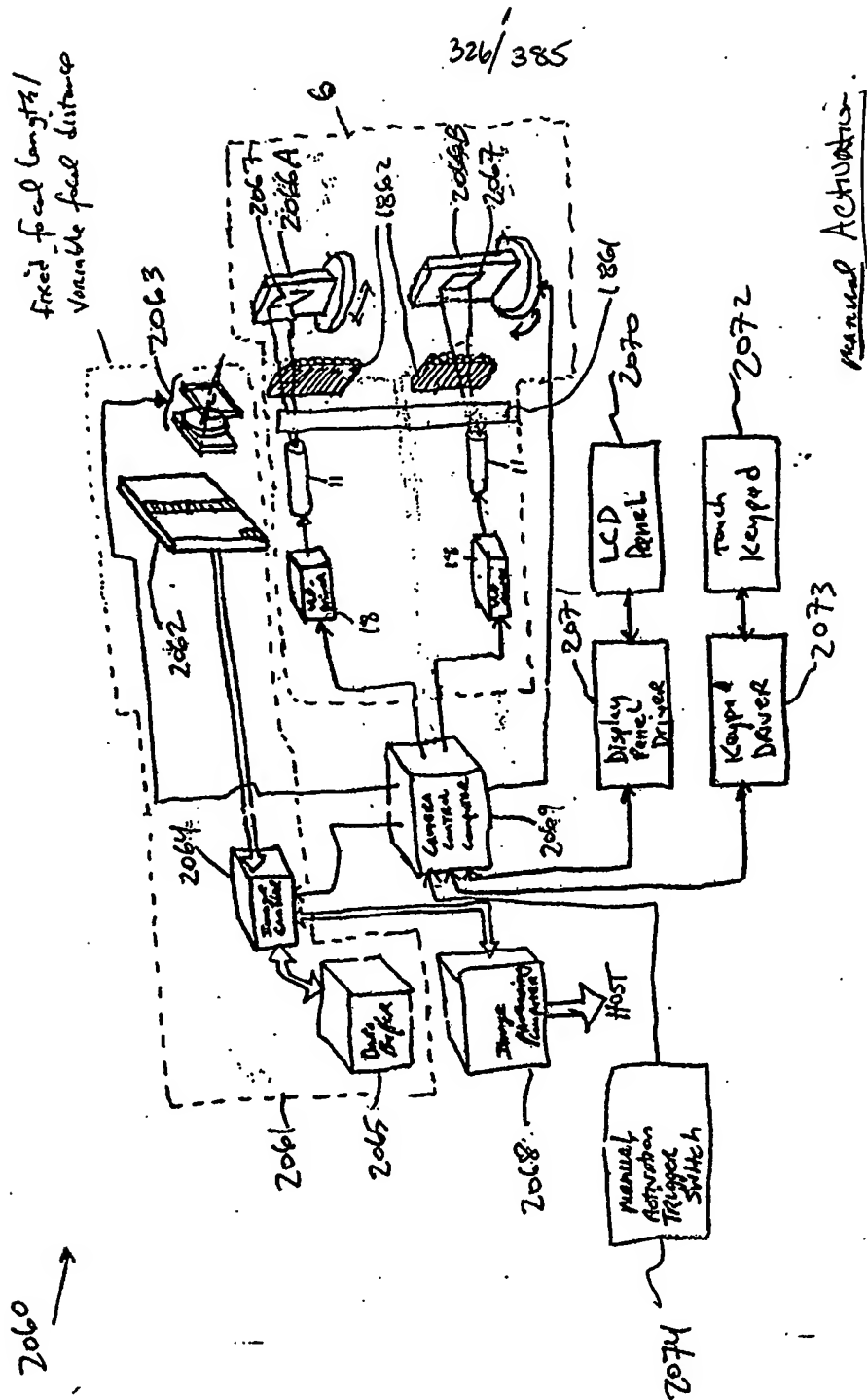


FIG. 53B1

2080 →

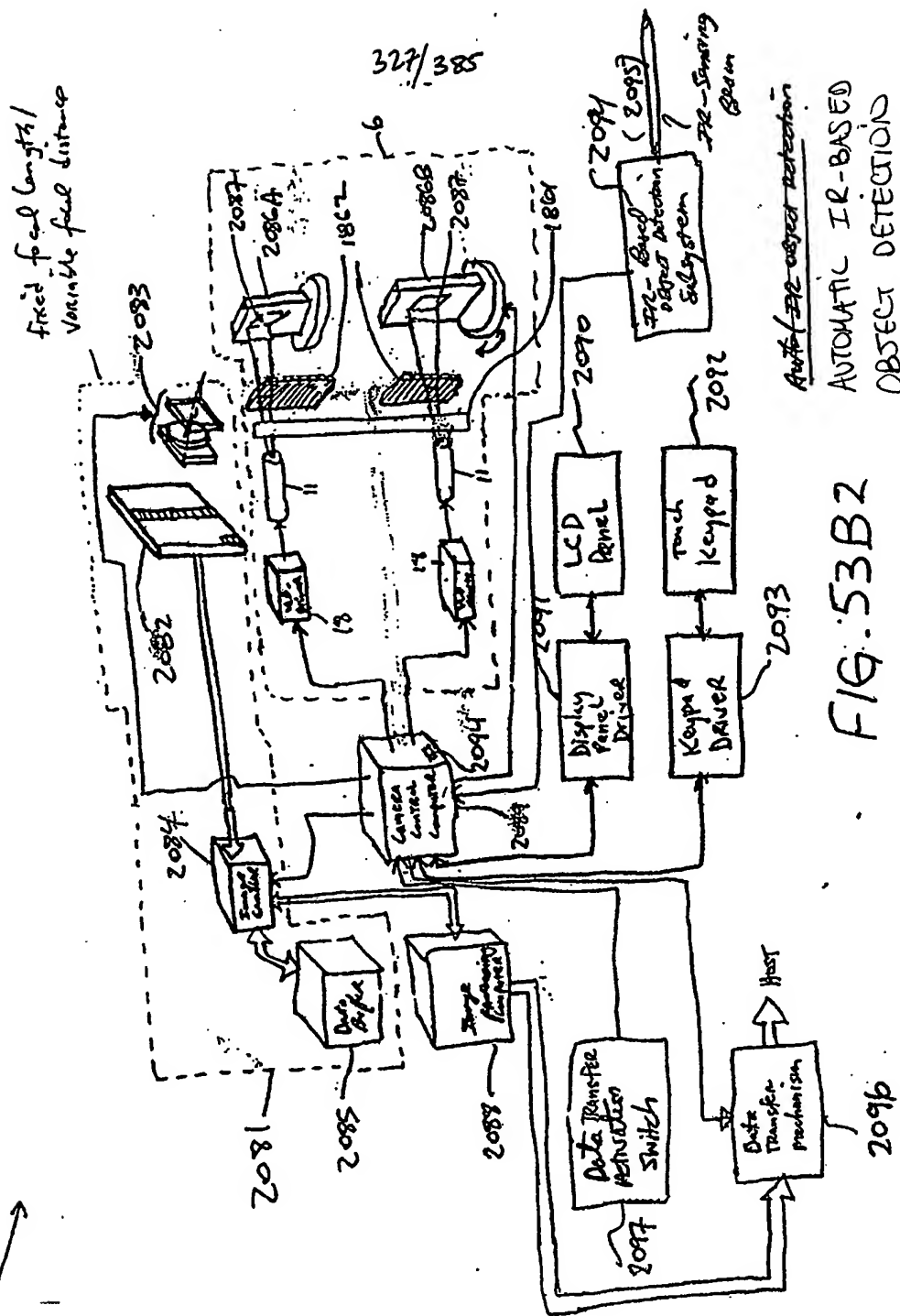
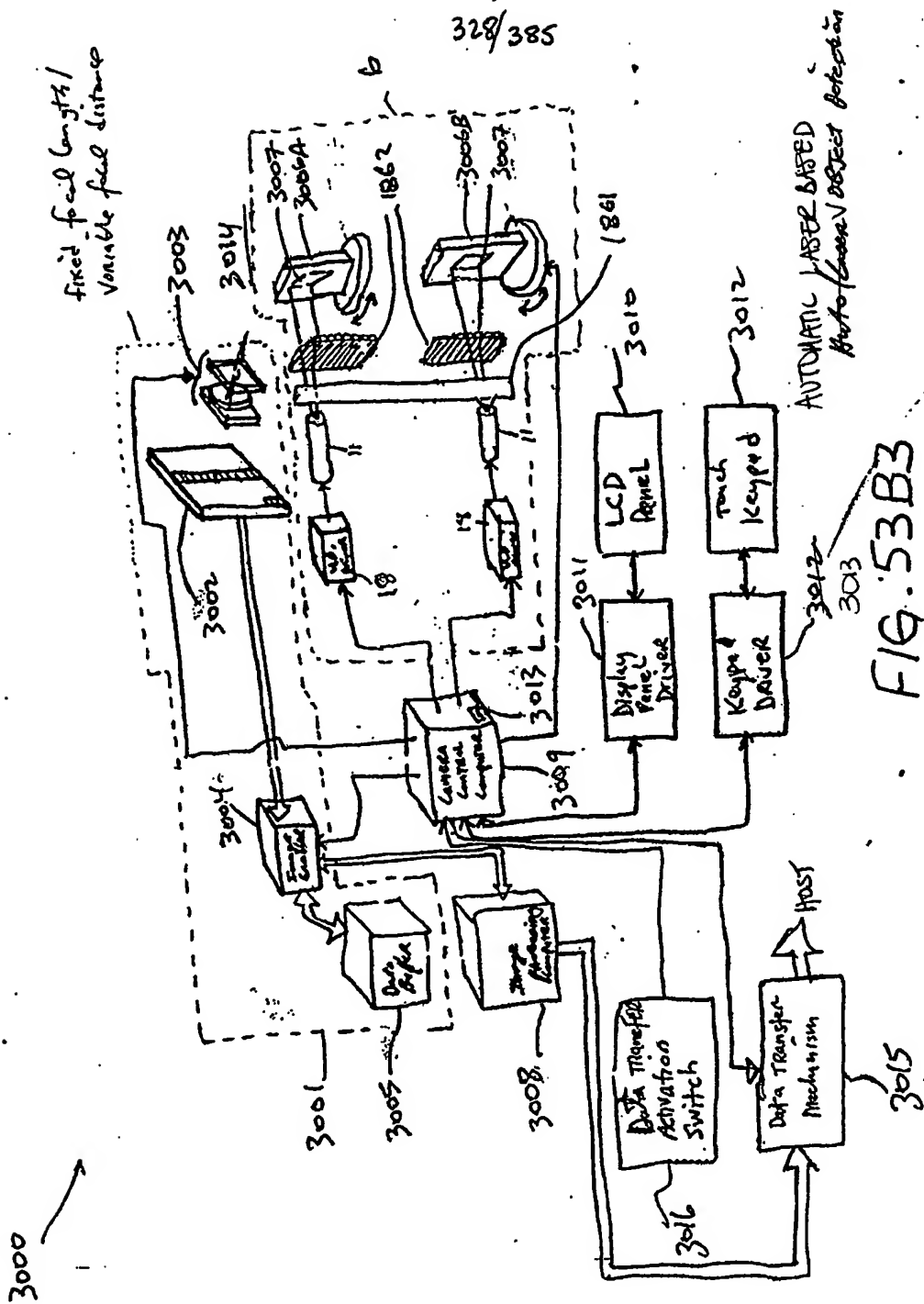
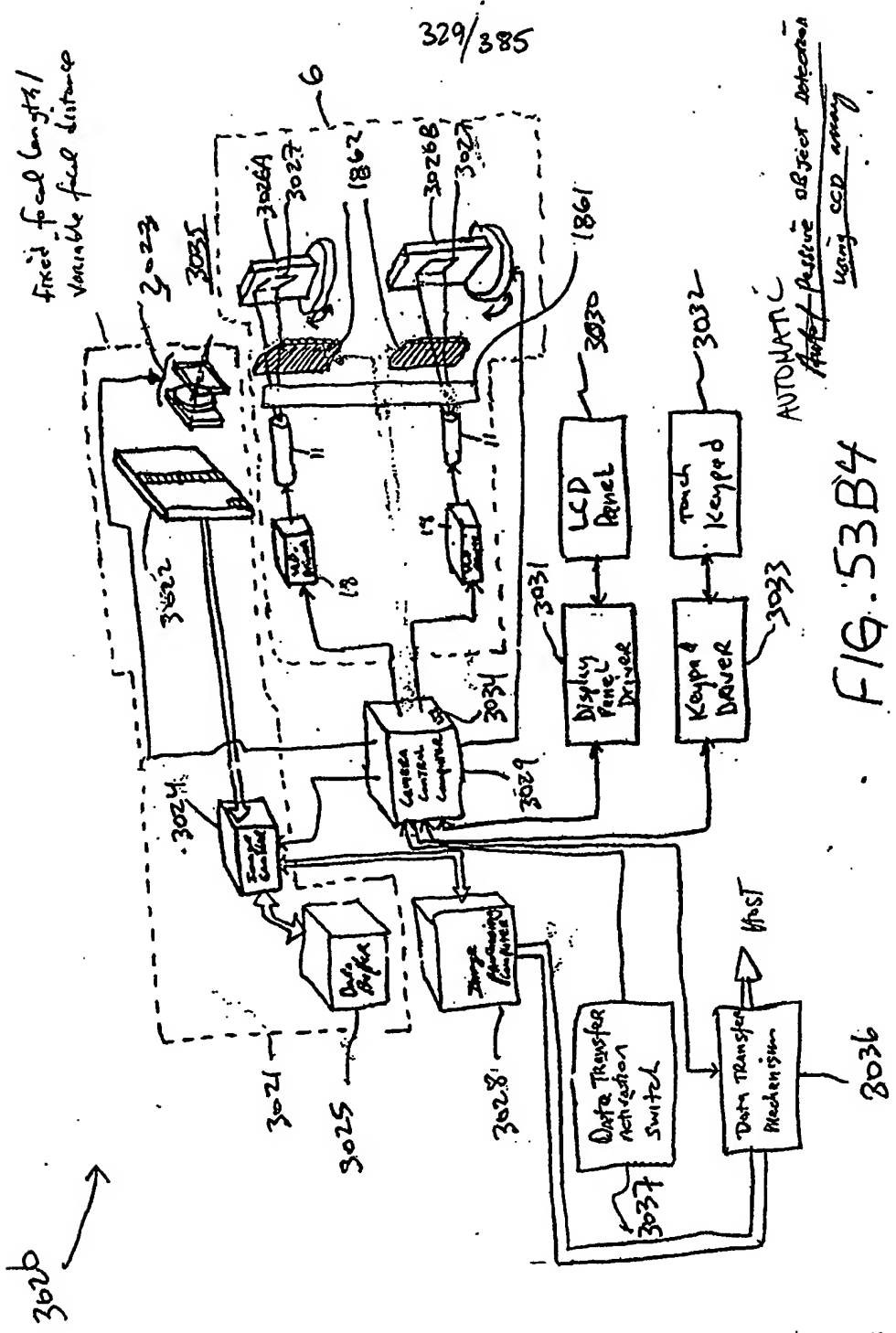
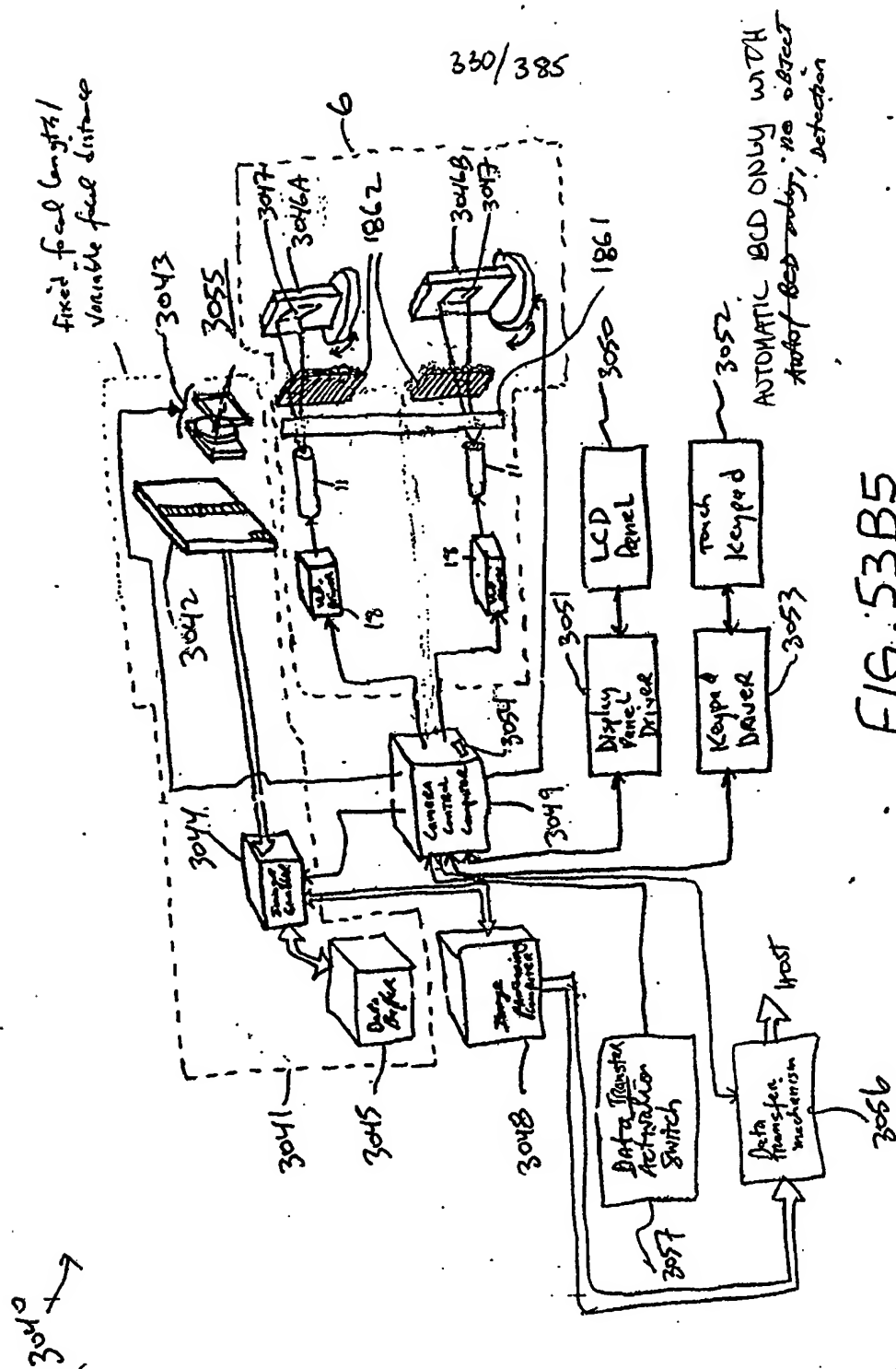


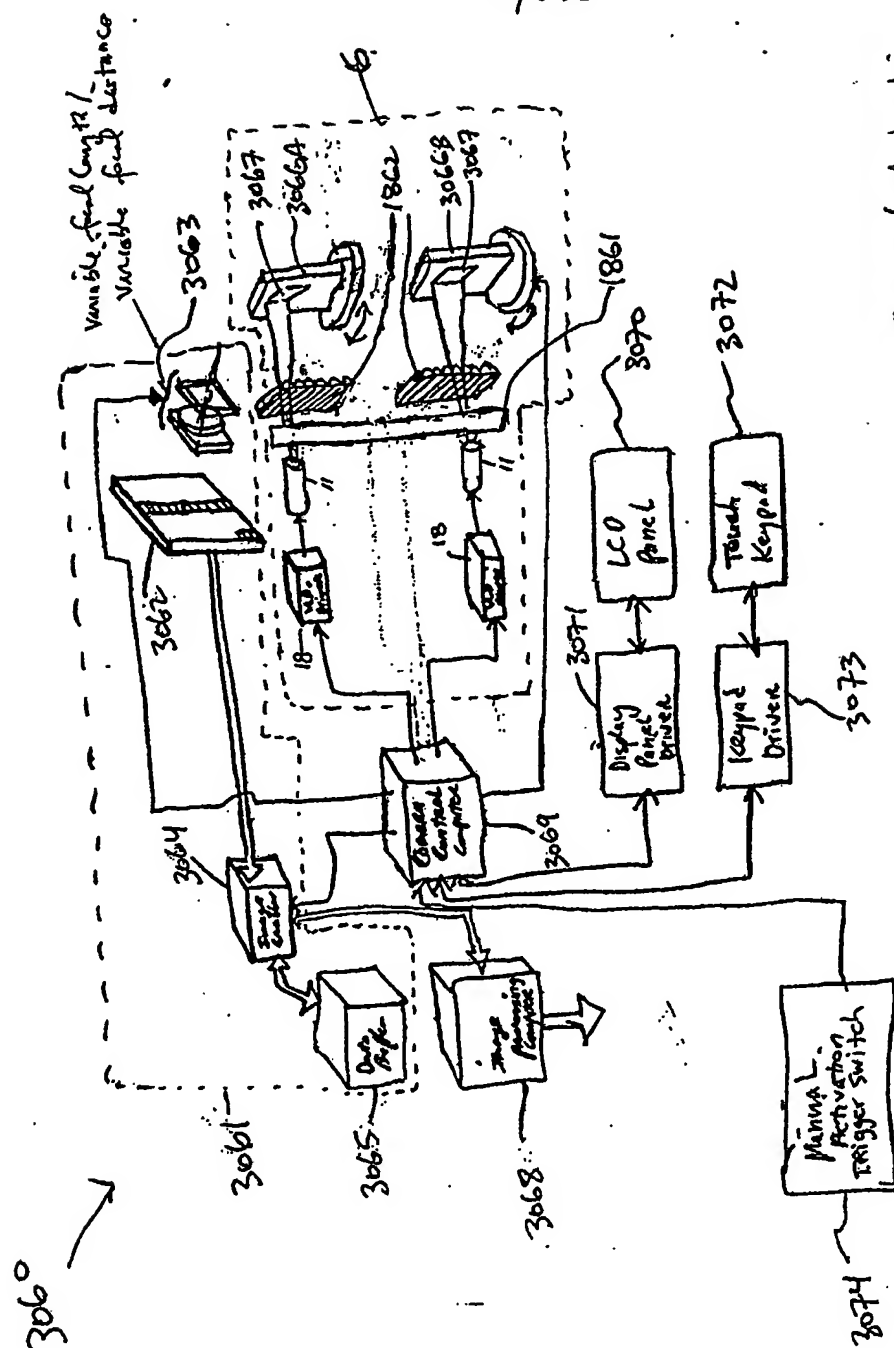
FIG. 53B2

Automatic IR-based
Object Detection



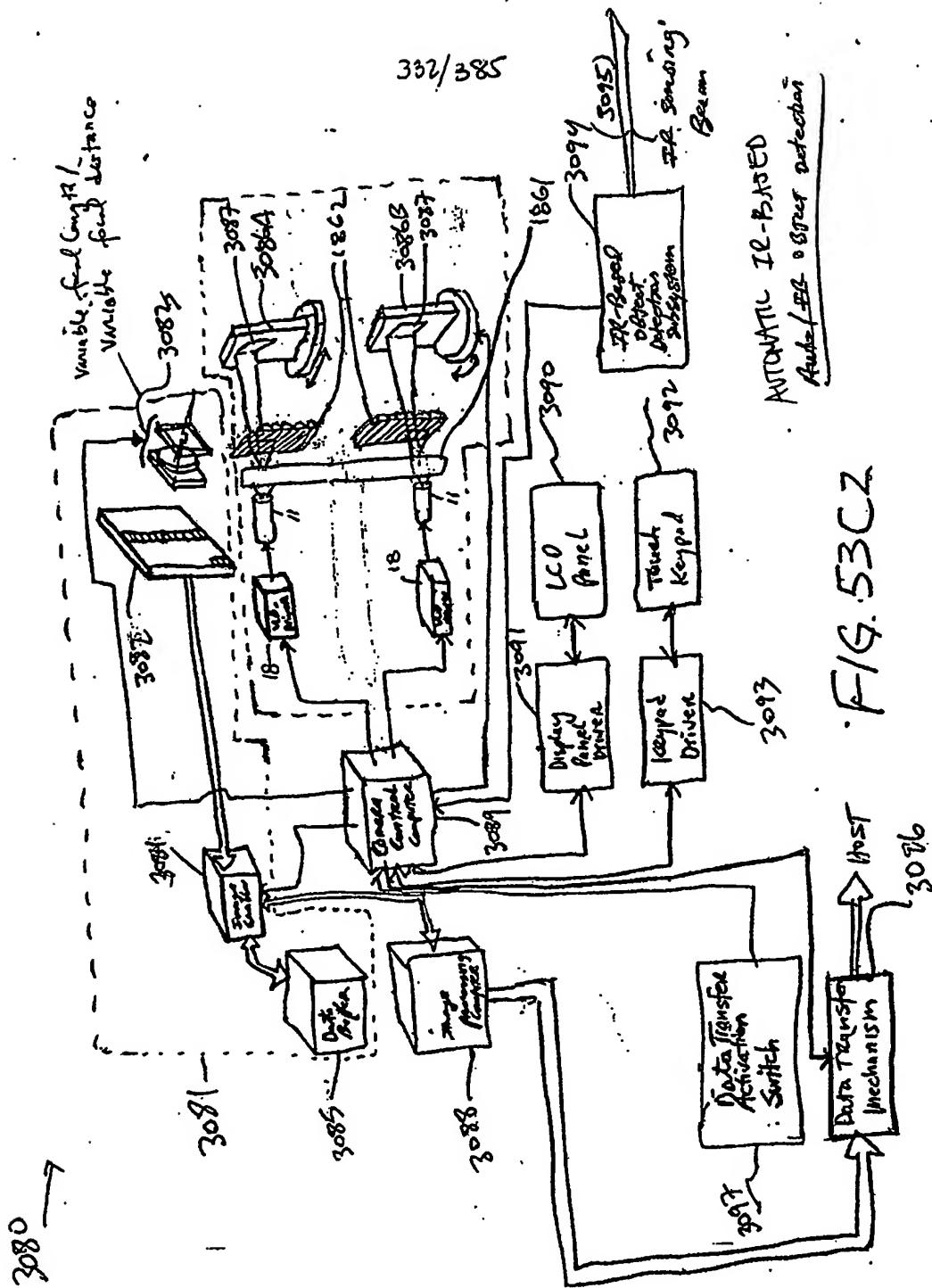




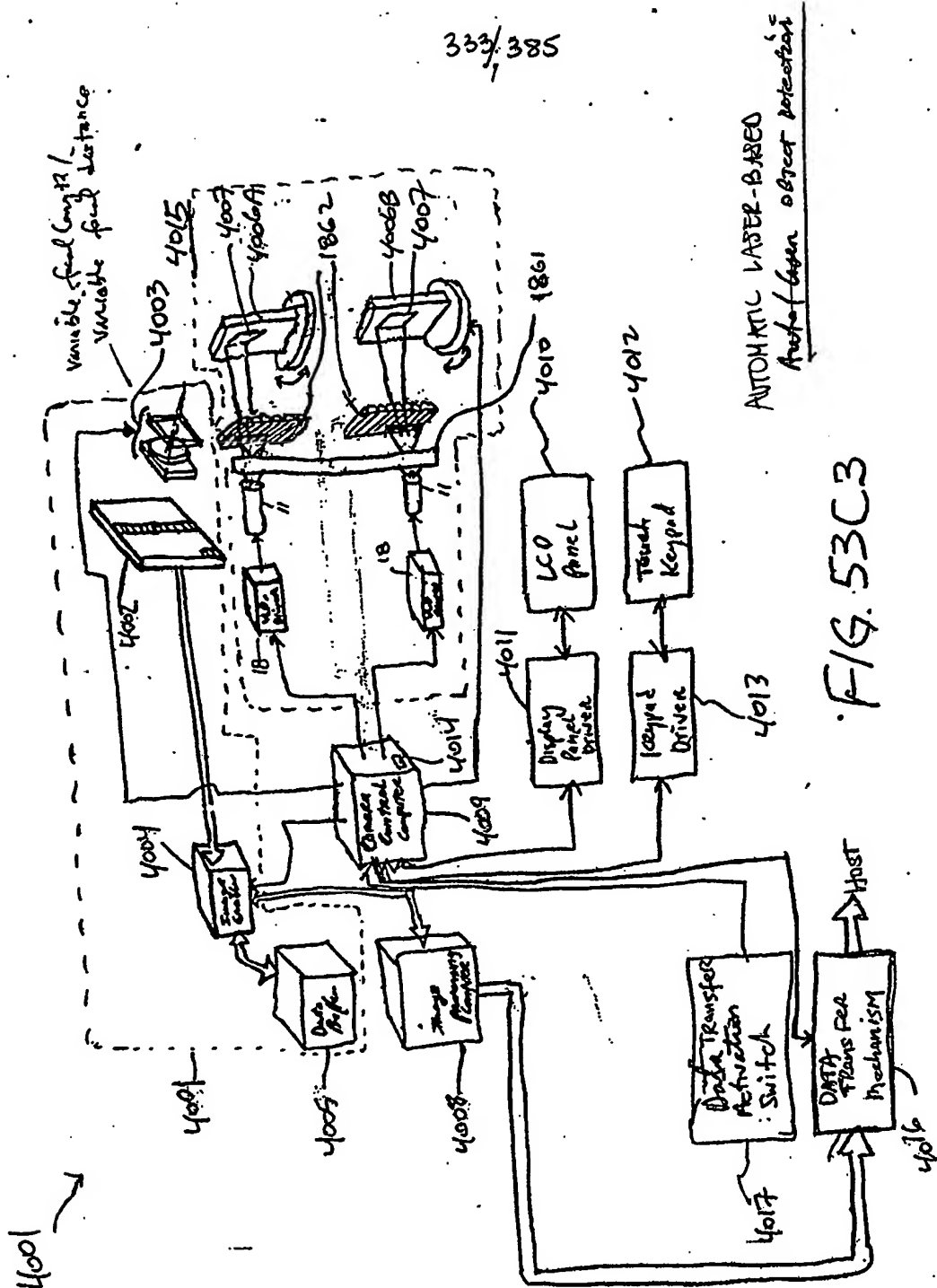


Manual Activation

FIG. 53C1



AUTOMATIC IR-BASED
Audio/IR Object Detection



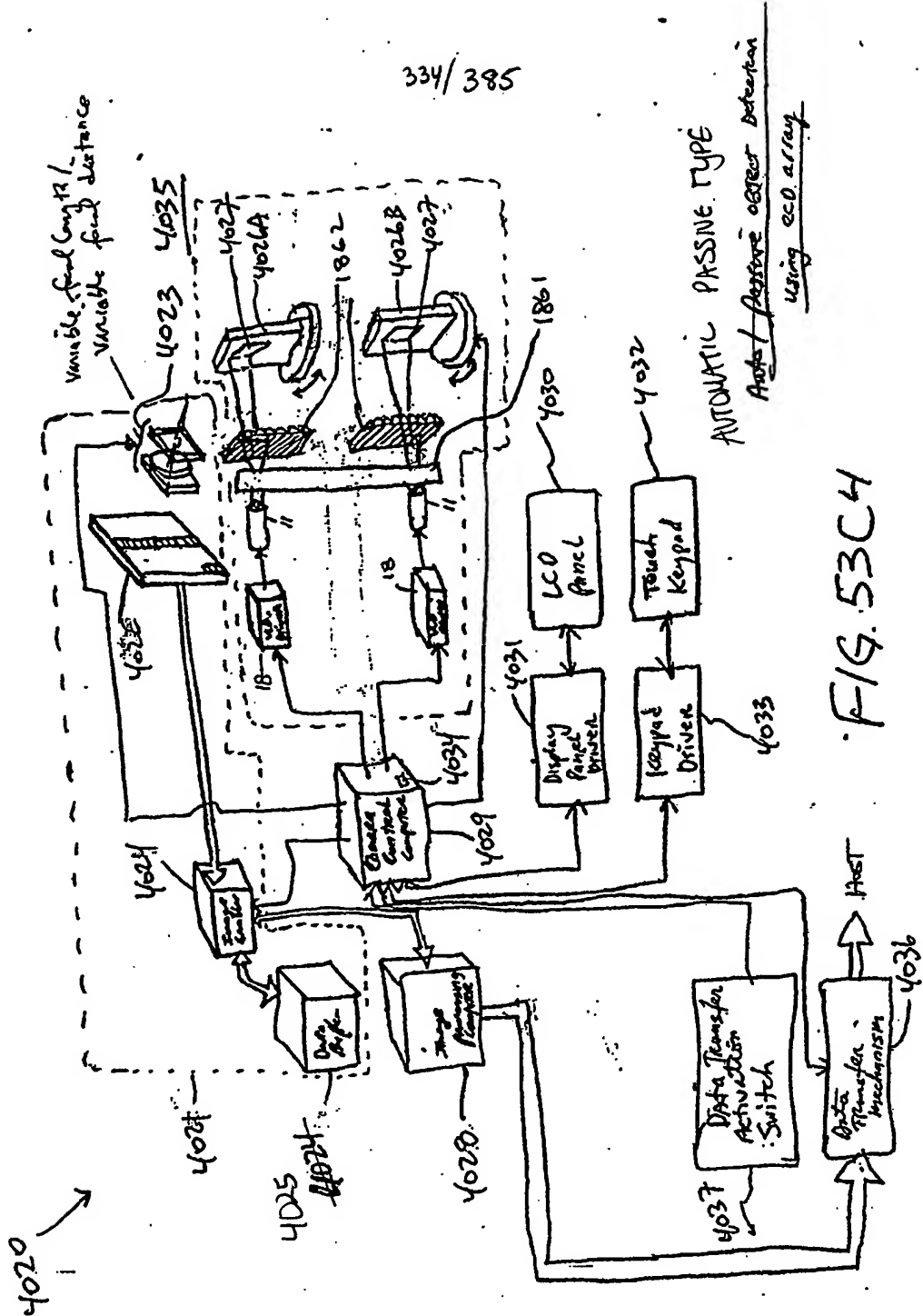
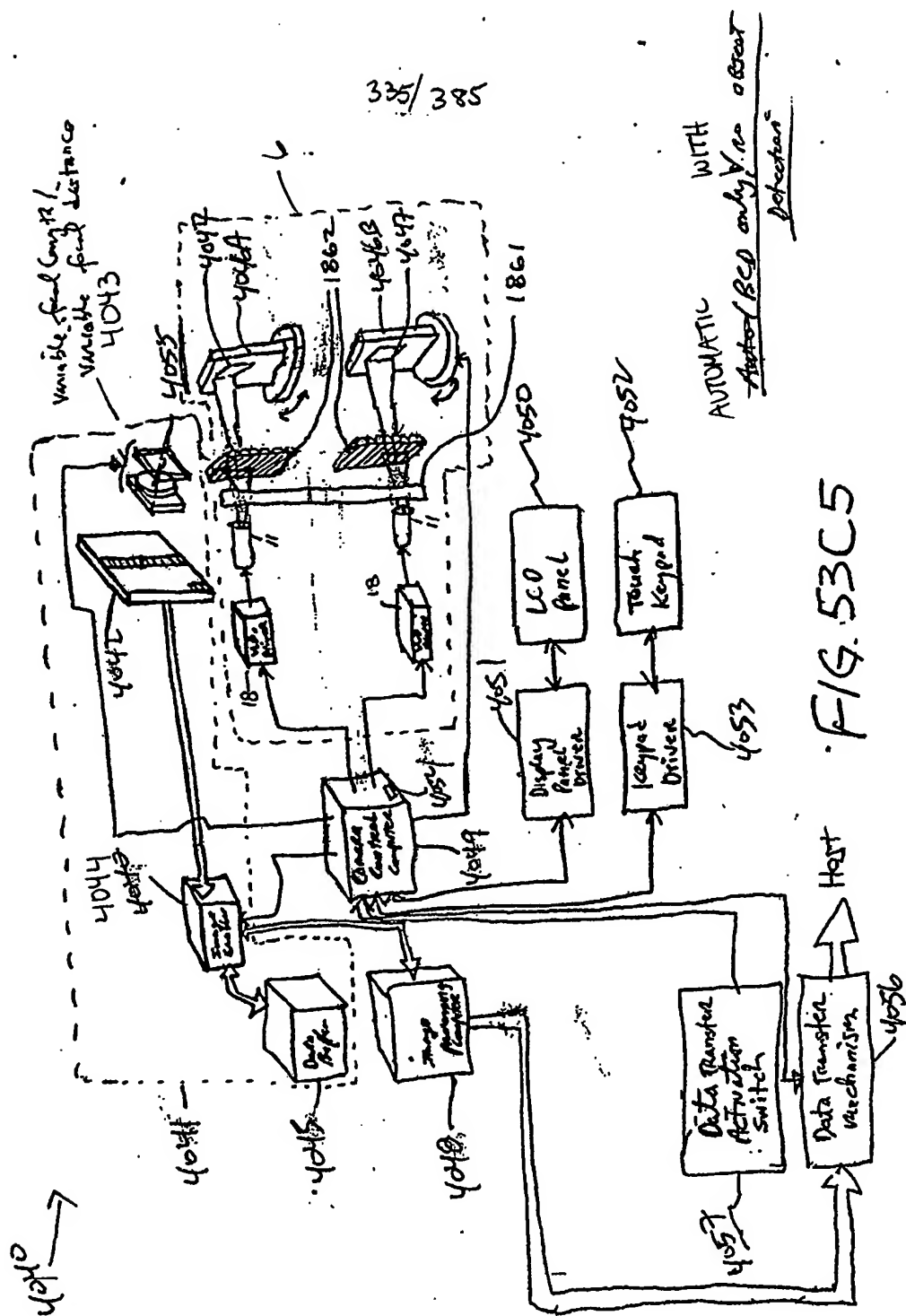


FIG. 53C4



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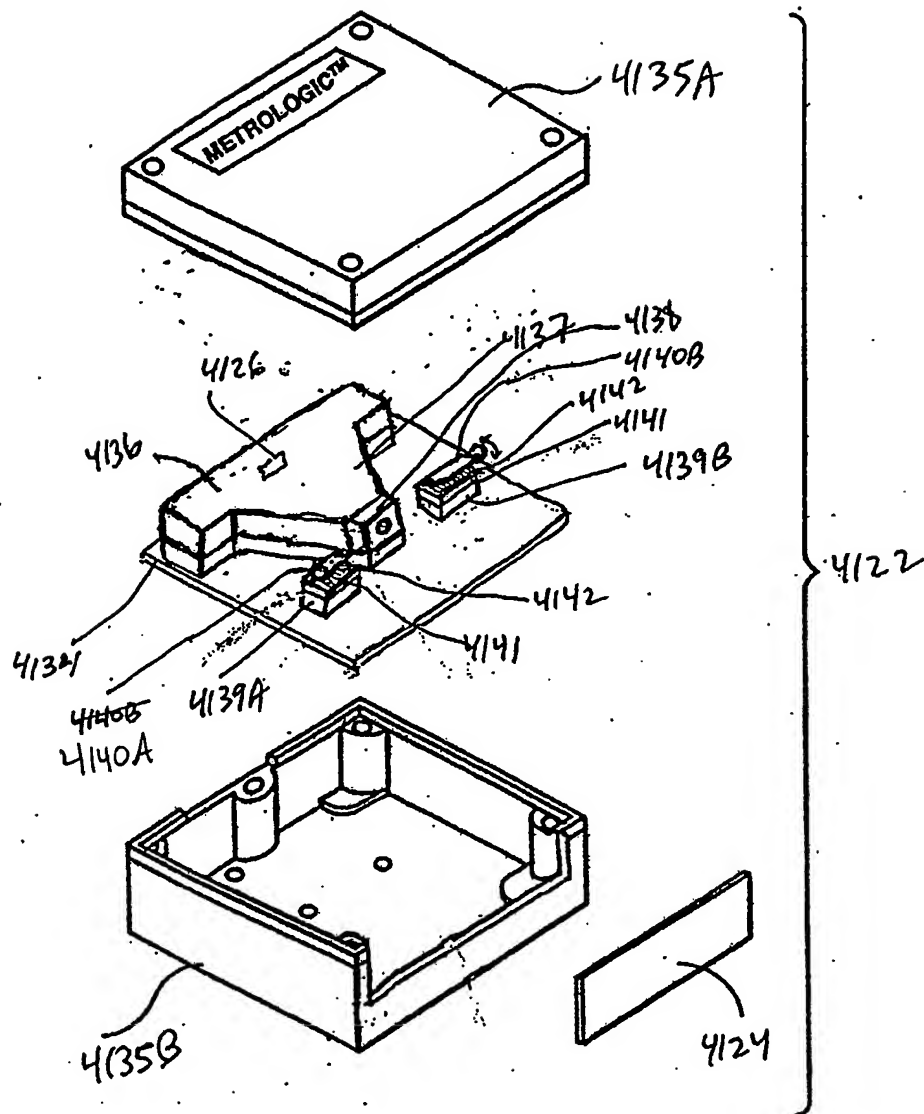


FIG. 56B

DM

Fig. 1E7A-7C

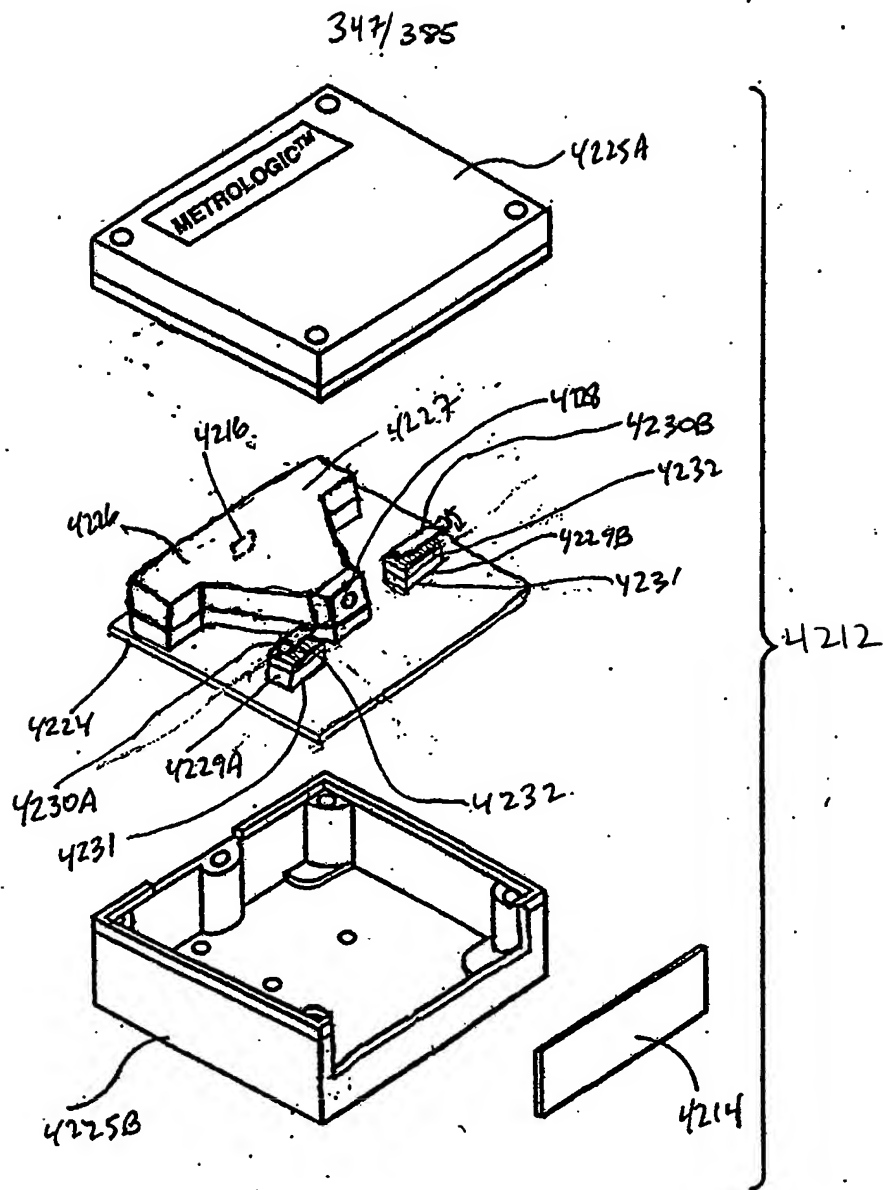
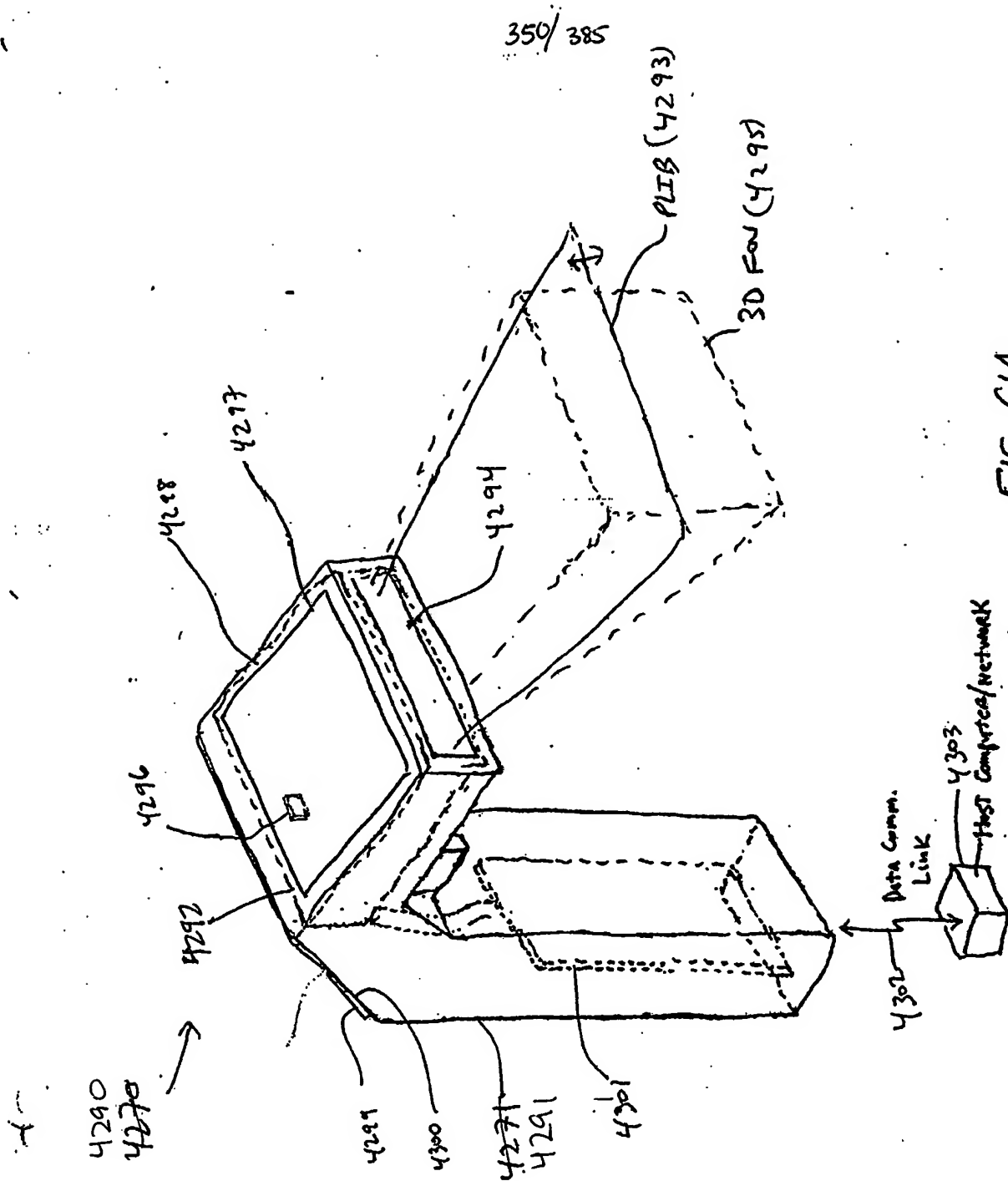


FIG. 59B

UnCLD
Fig. 1E15A-15B



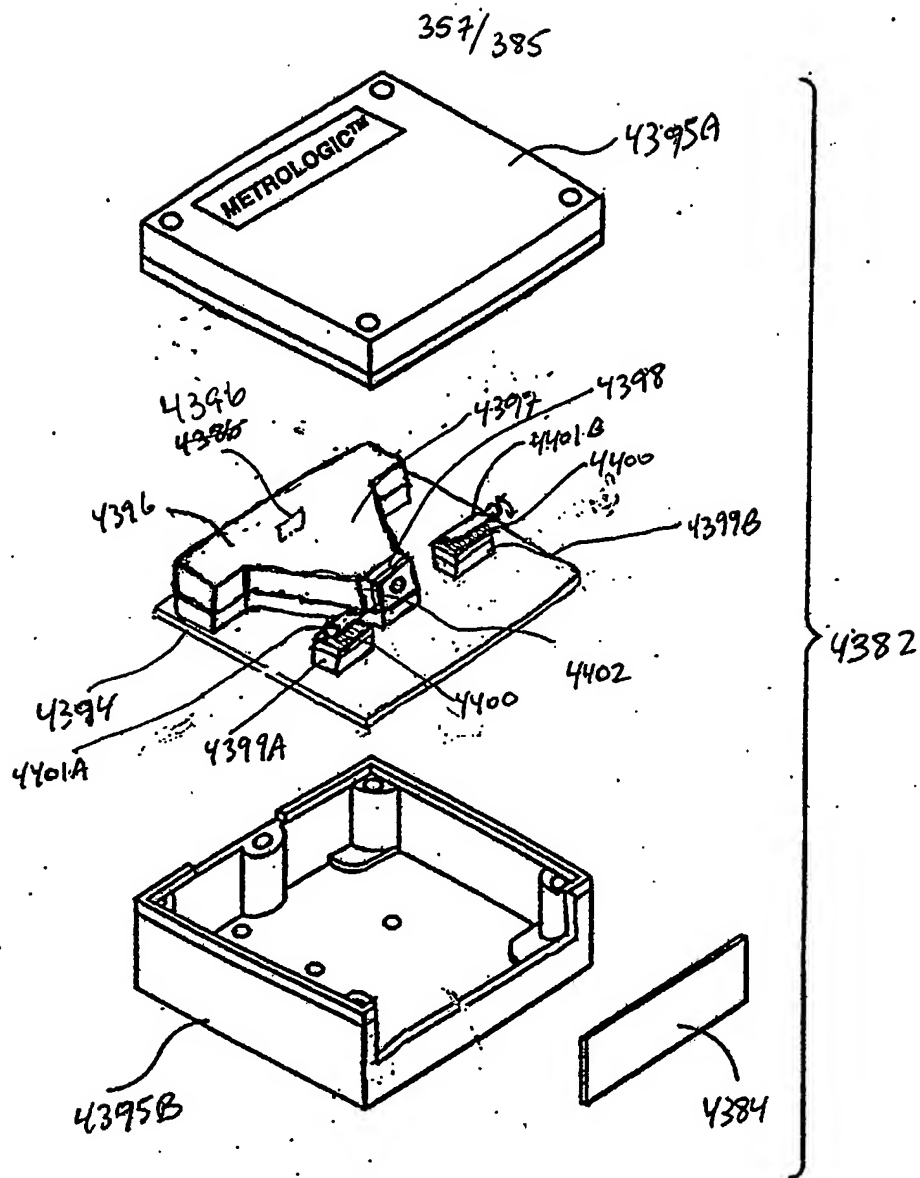


FIG. 64B

* E-optical
Shutter before
EP lens
Fig. 1E24A

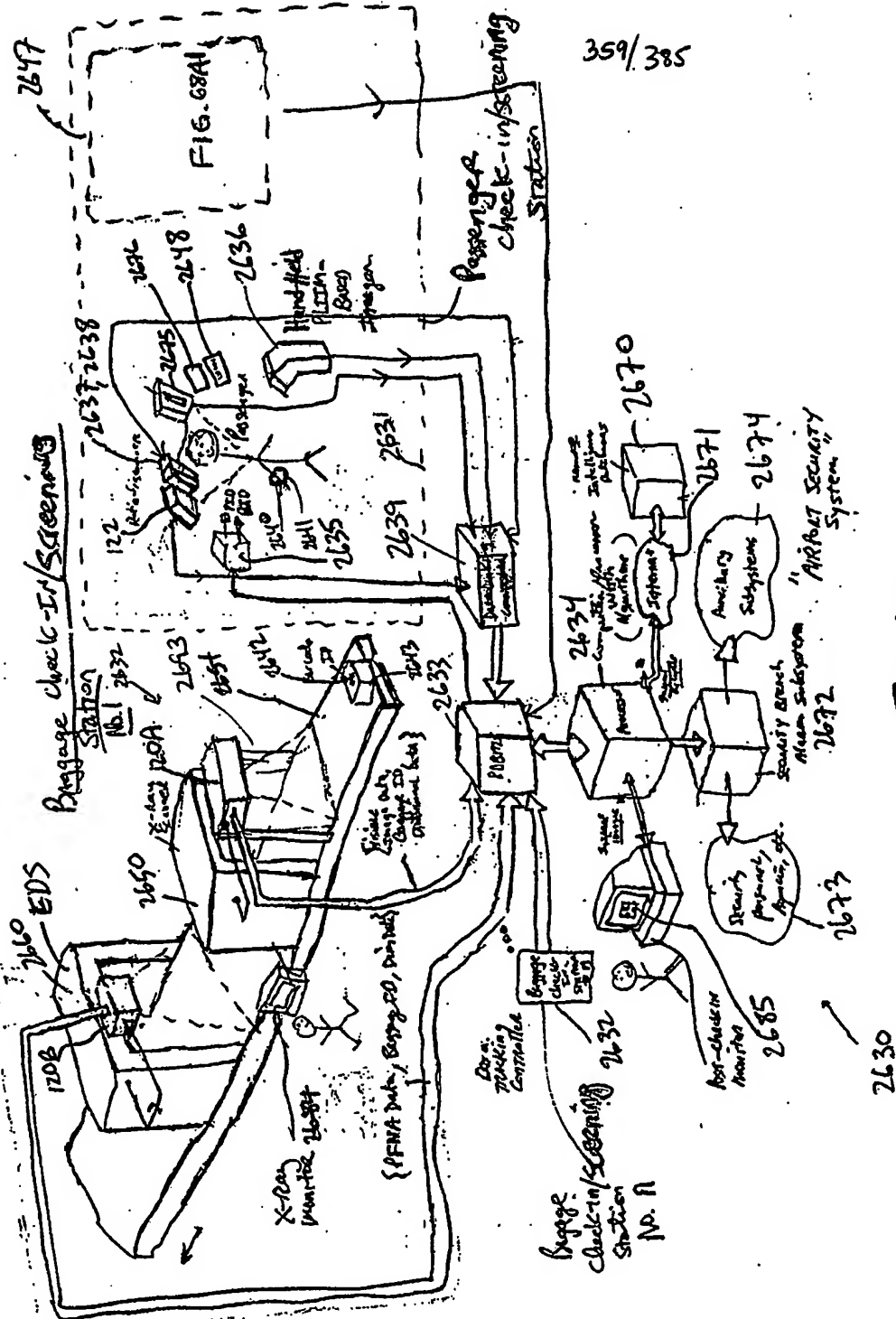


FIG. 68-1 through 68-3

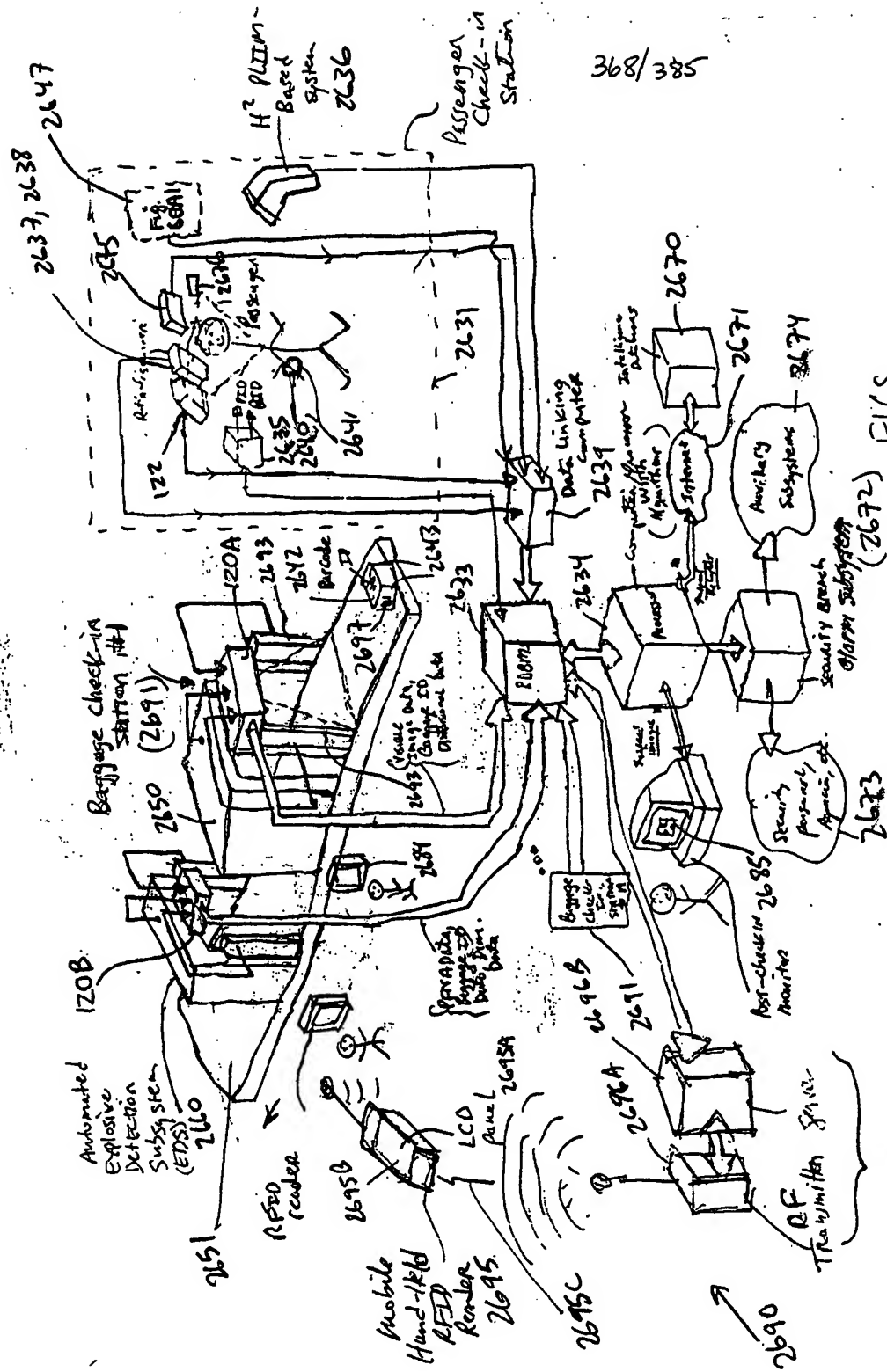


FIG. 69A through 69A3

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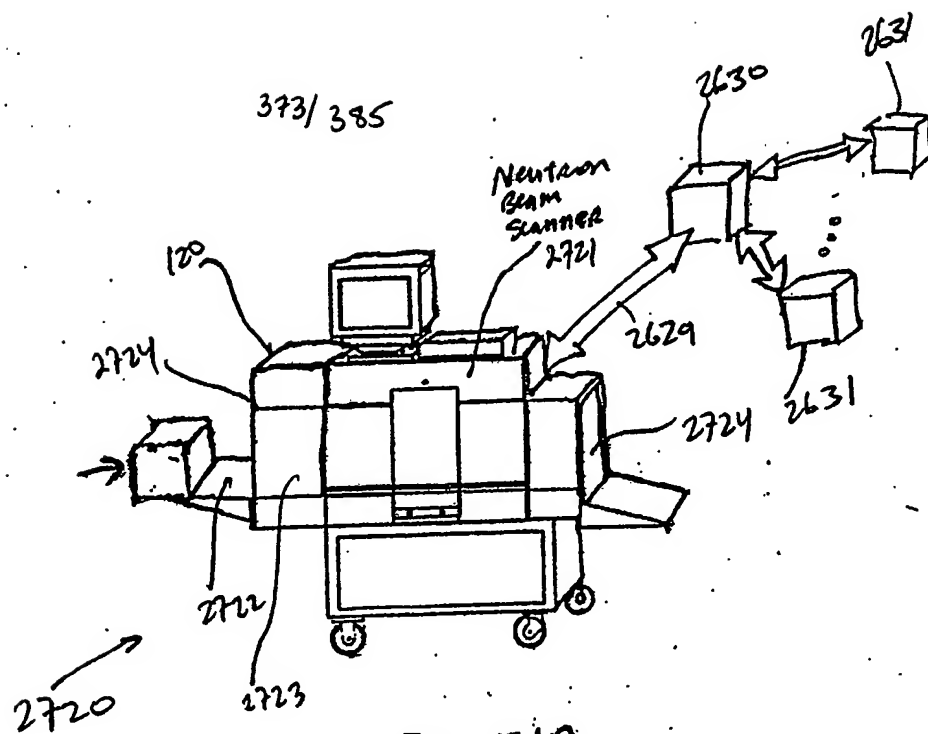


FIG 71A

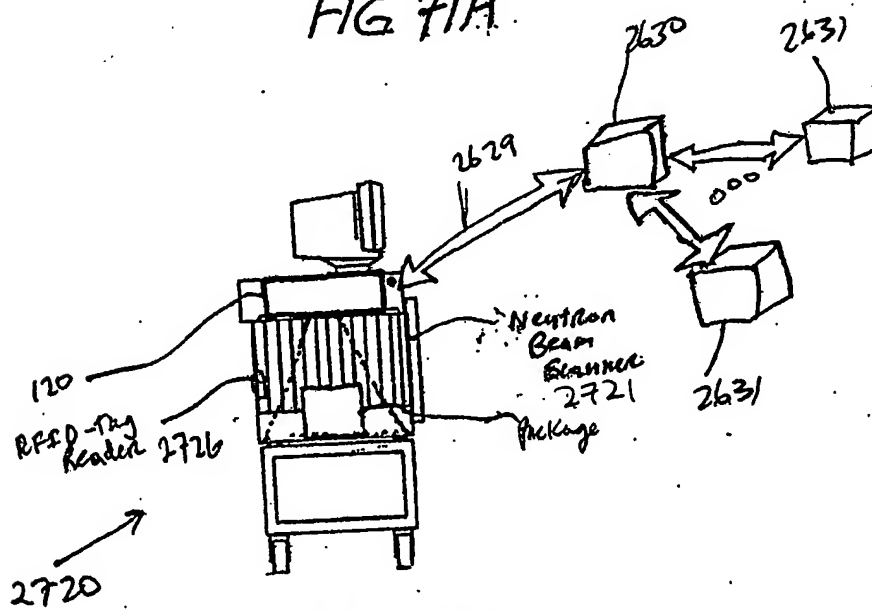


FIG 71B

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